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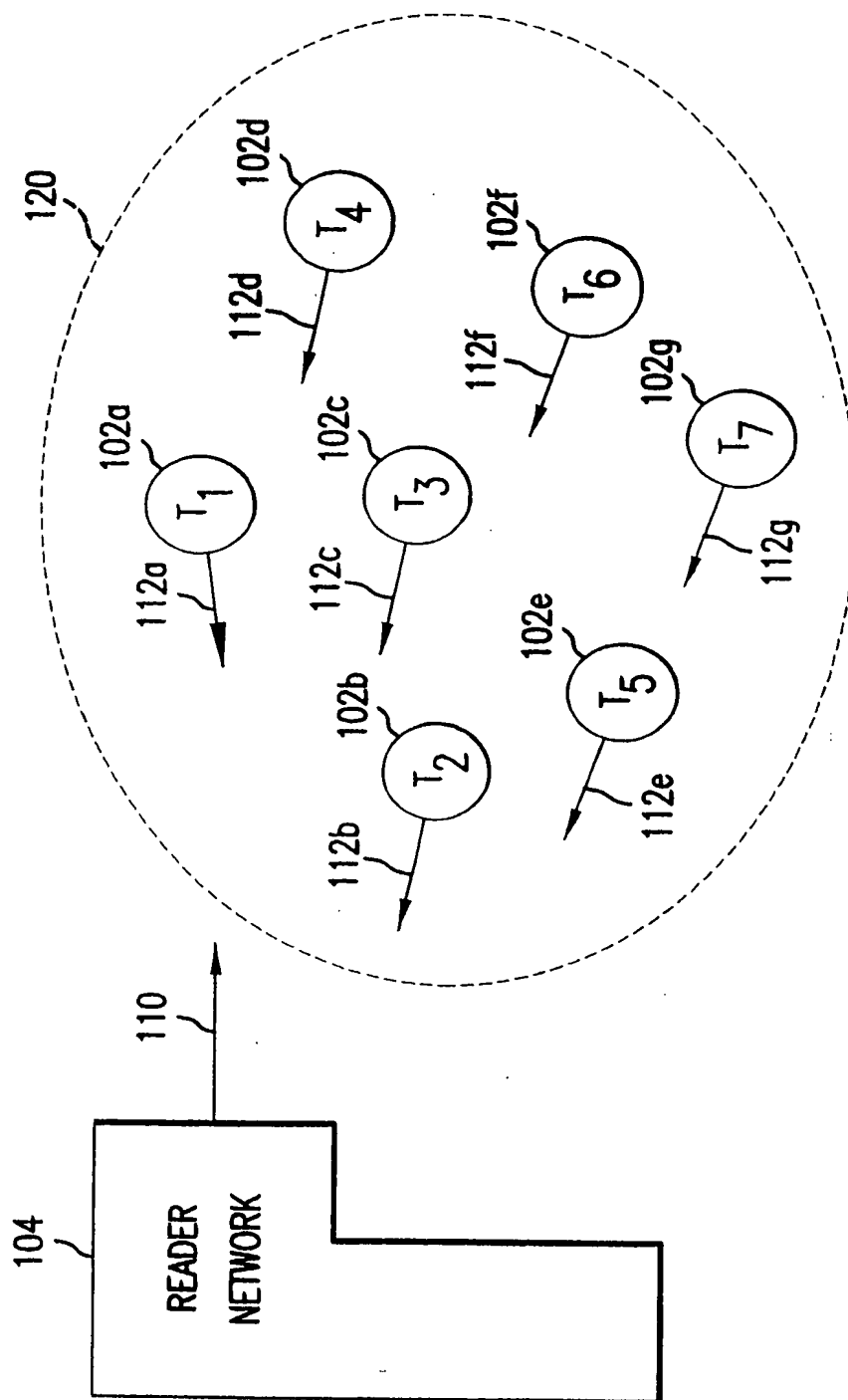


FIG. 1





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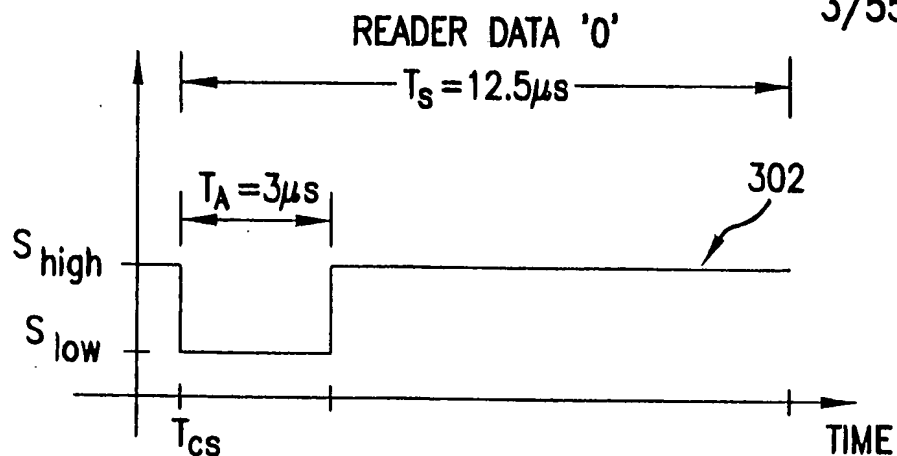


FIG. 3

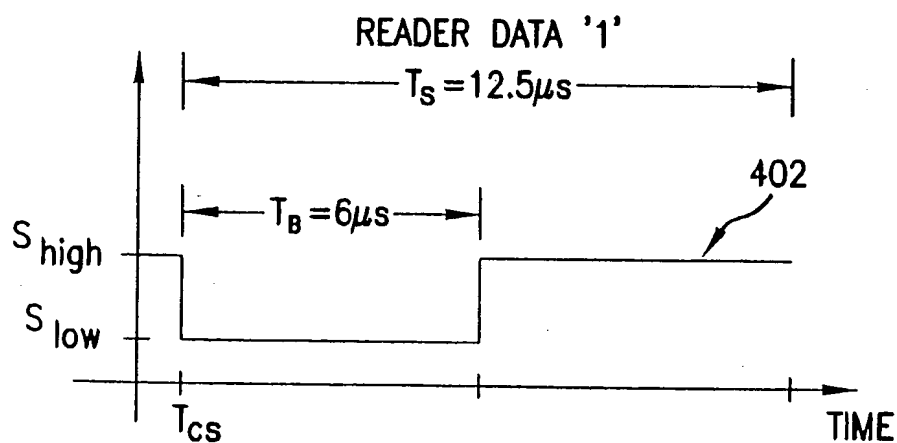


FIG. 4

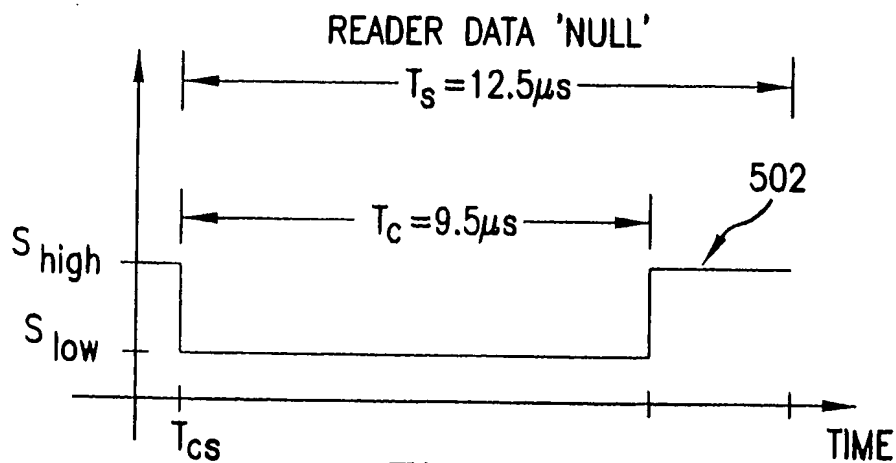


FIG. 5



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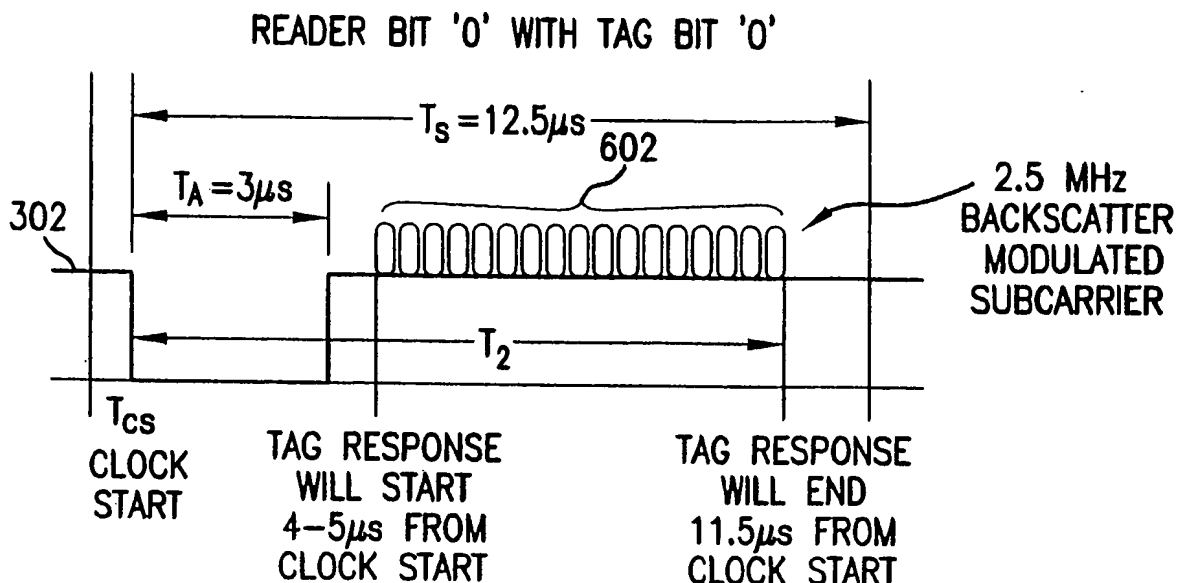


FIG. 6

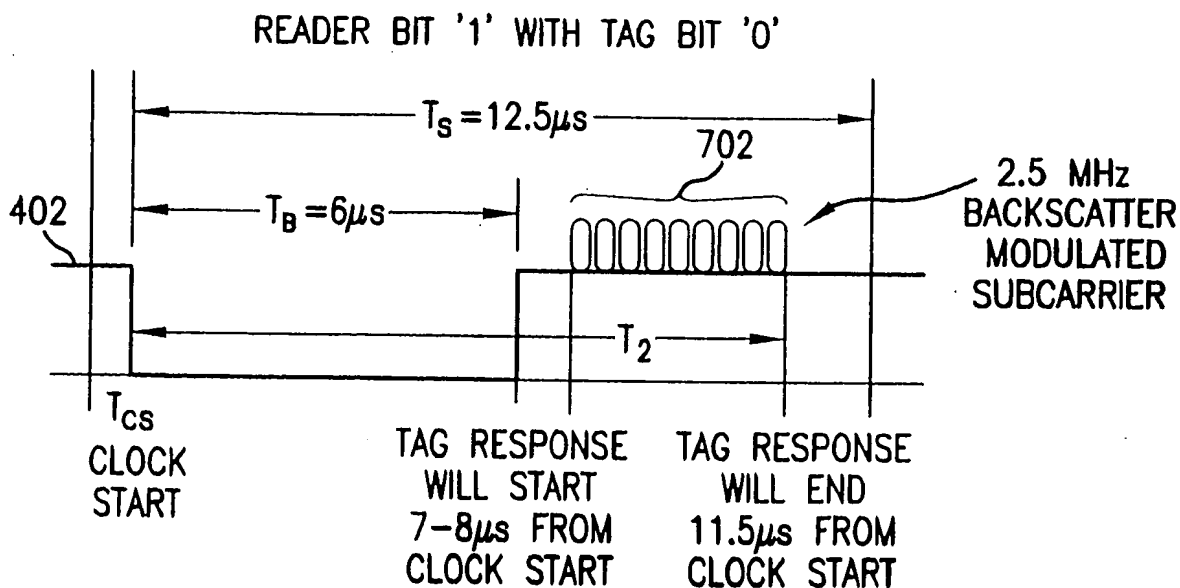


FIG. 7



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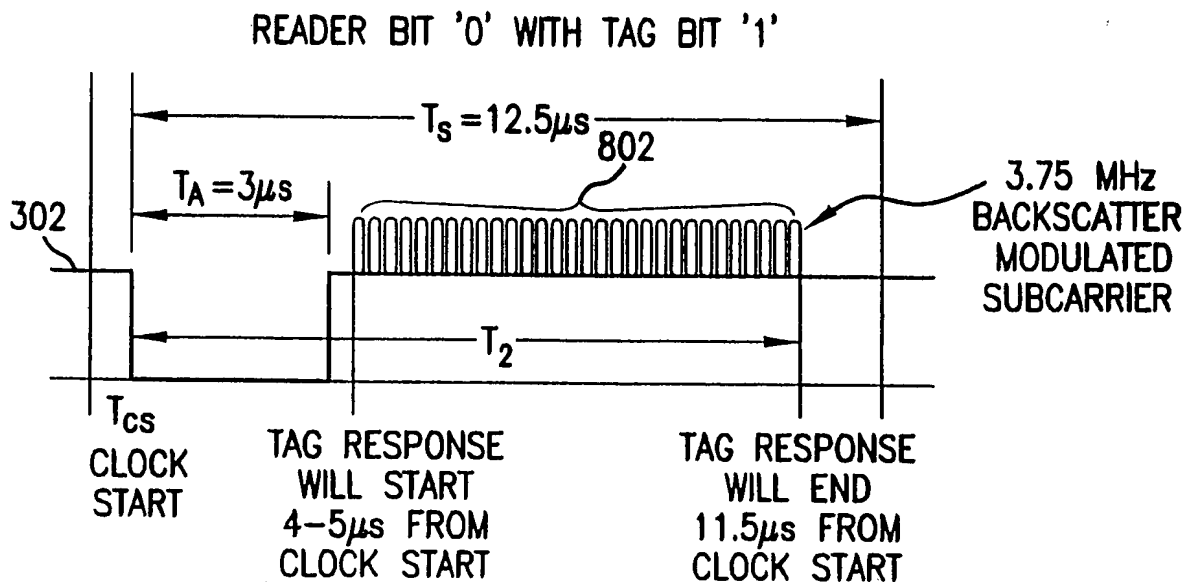


FIG. 8

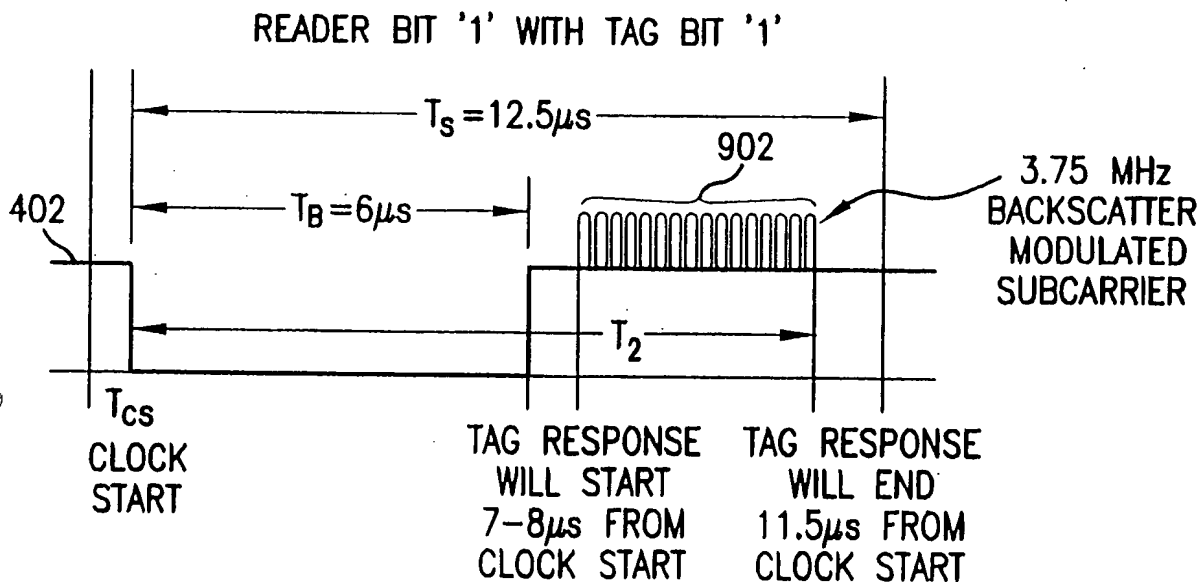


FIG. 9



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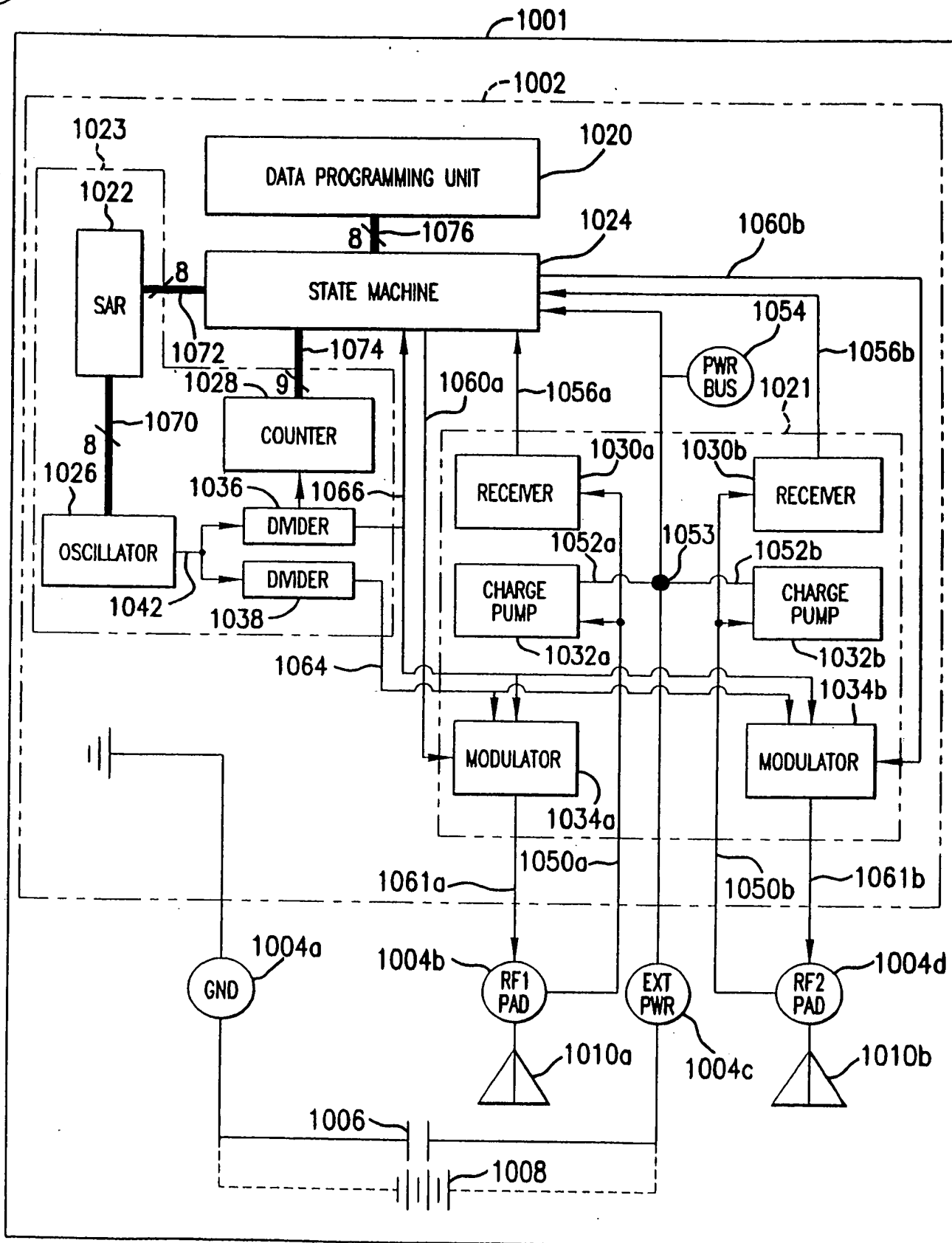


FIG. 10



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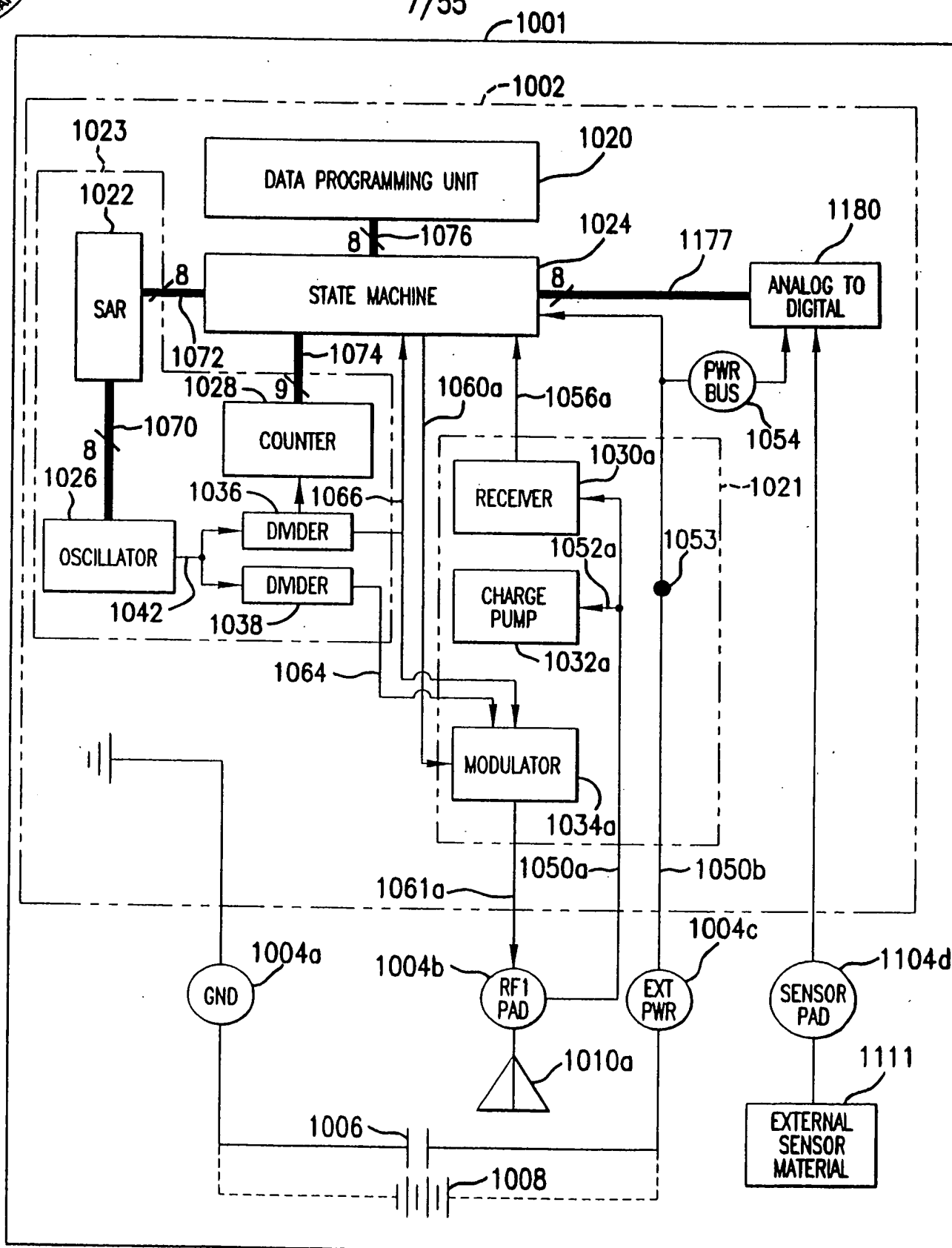
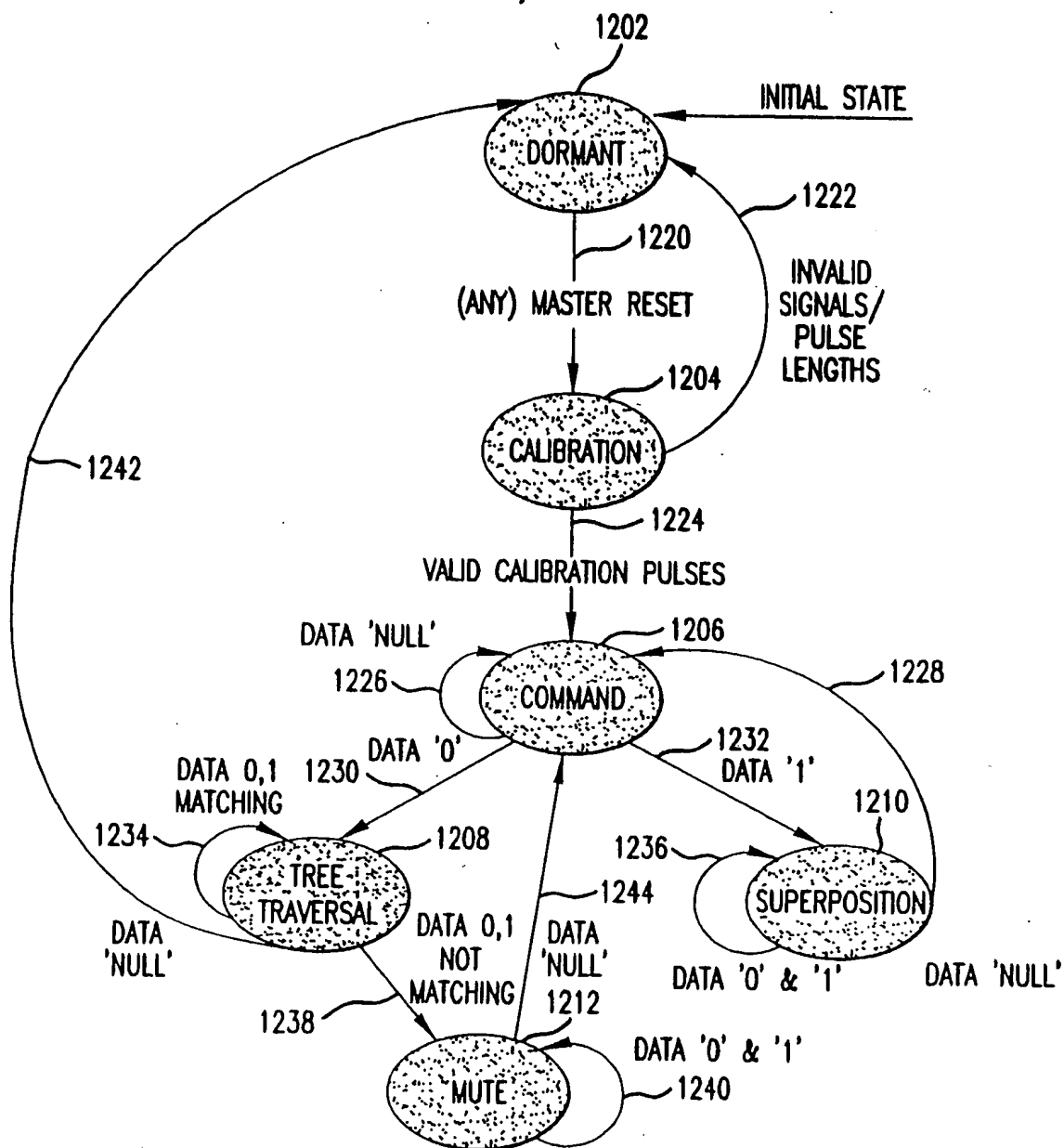


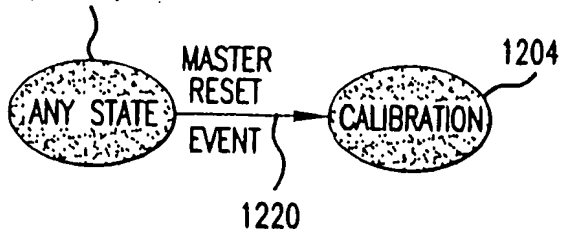
FIG. 11



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1202, 1204, 1206,
1208, 1210, 1212



1202, 1204, 1206,
1208, 1210, 1212

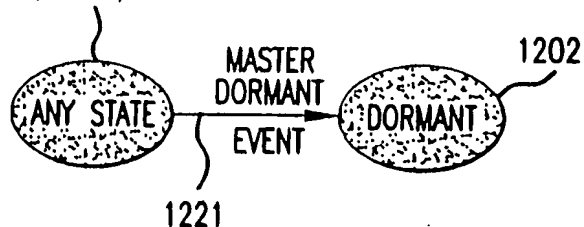


FIG. 12A



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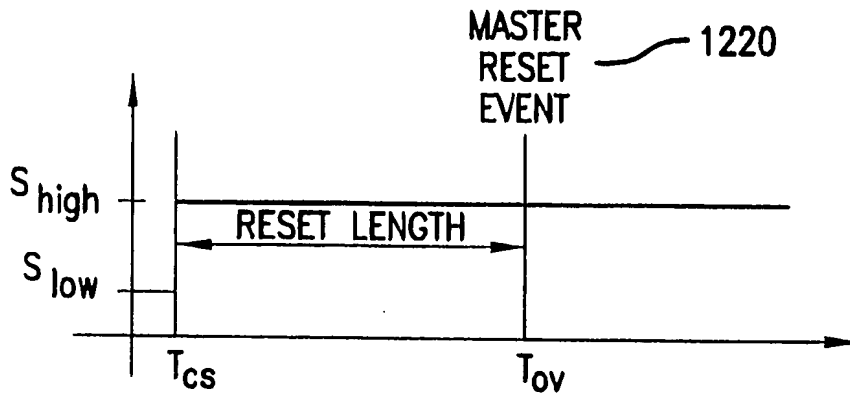


FIG. 12B

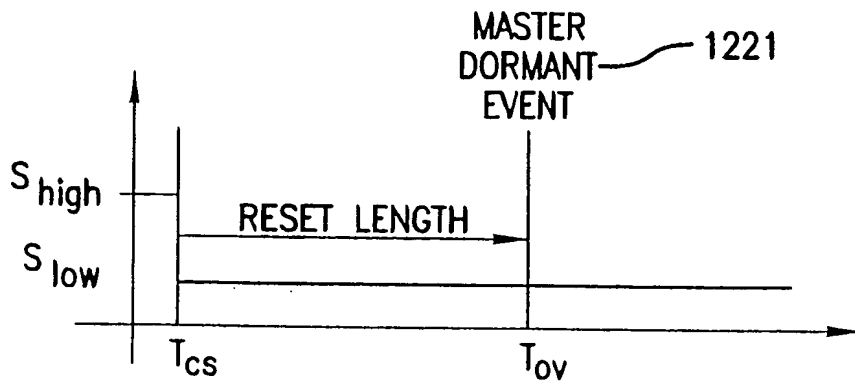


FIG. 12C

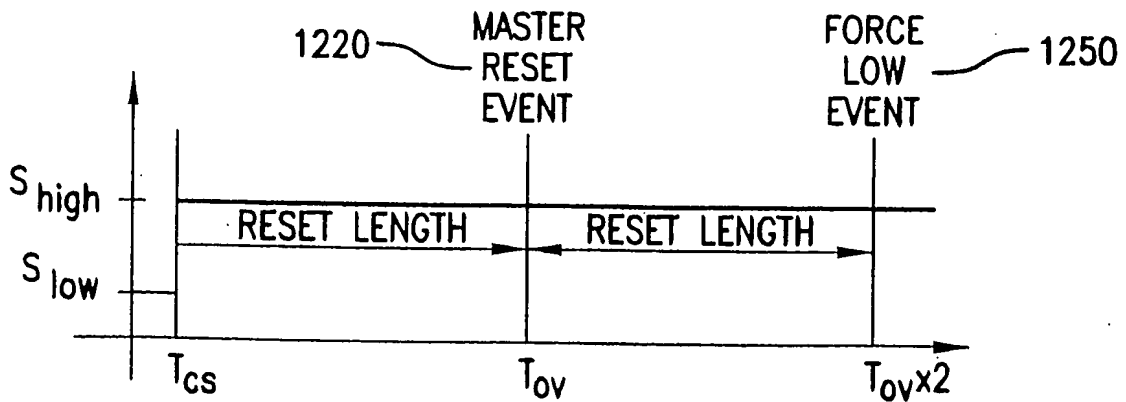
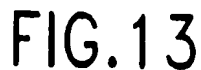


FIG. 12D

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READ SPECIFIC TAG, READER PERSPECTIVE 11/55

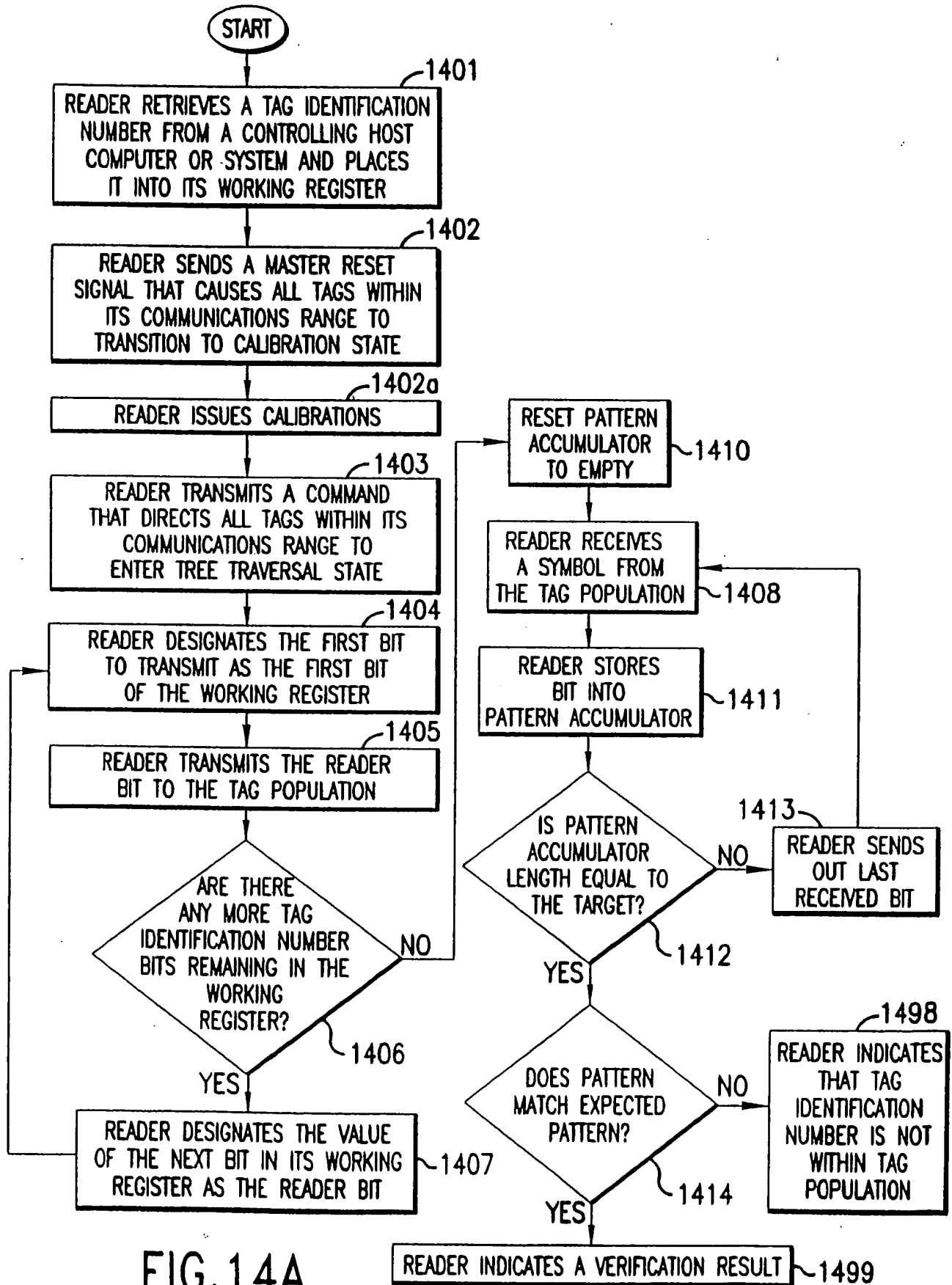


FIG. 14A

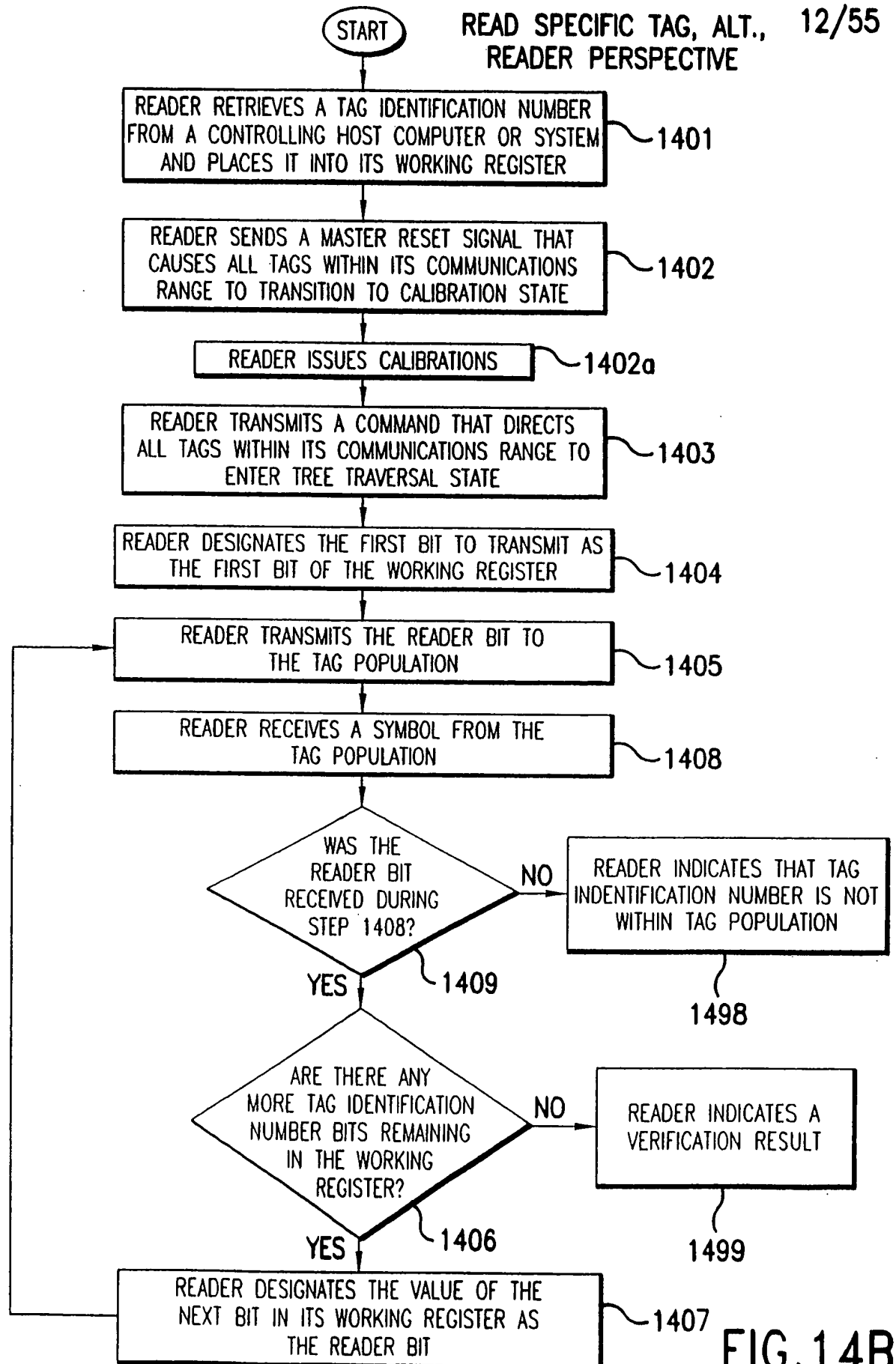


FIG. 14B

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READ ALL TAGS, READER PERSPECTIVES

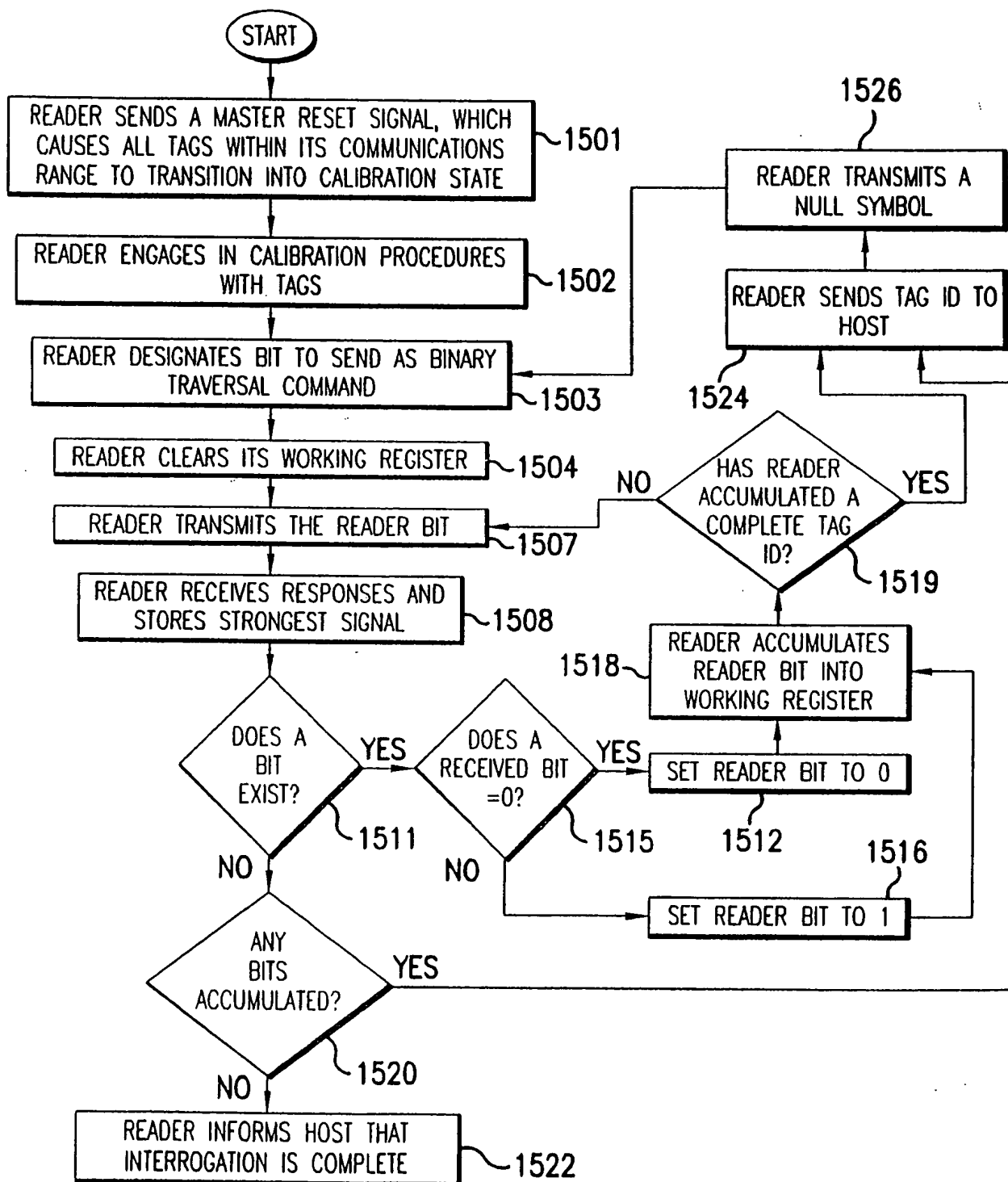


FIG.15A

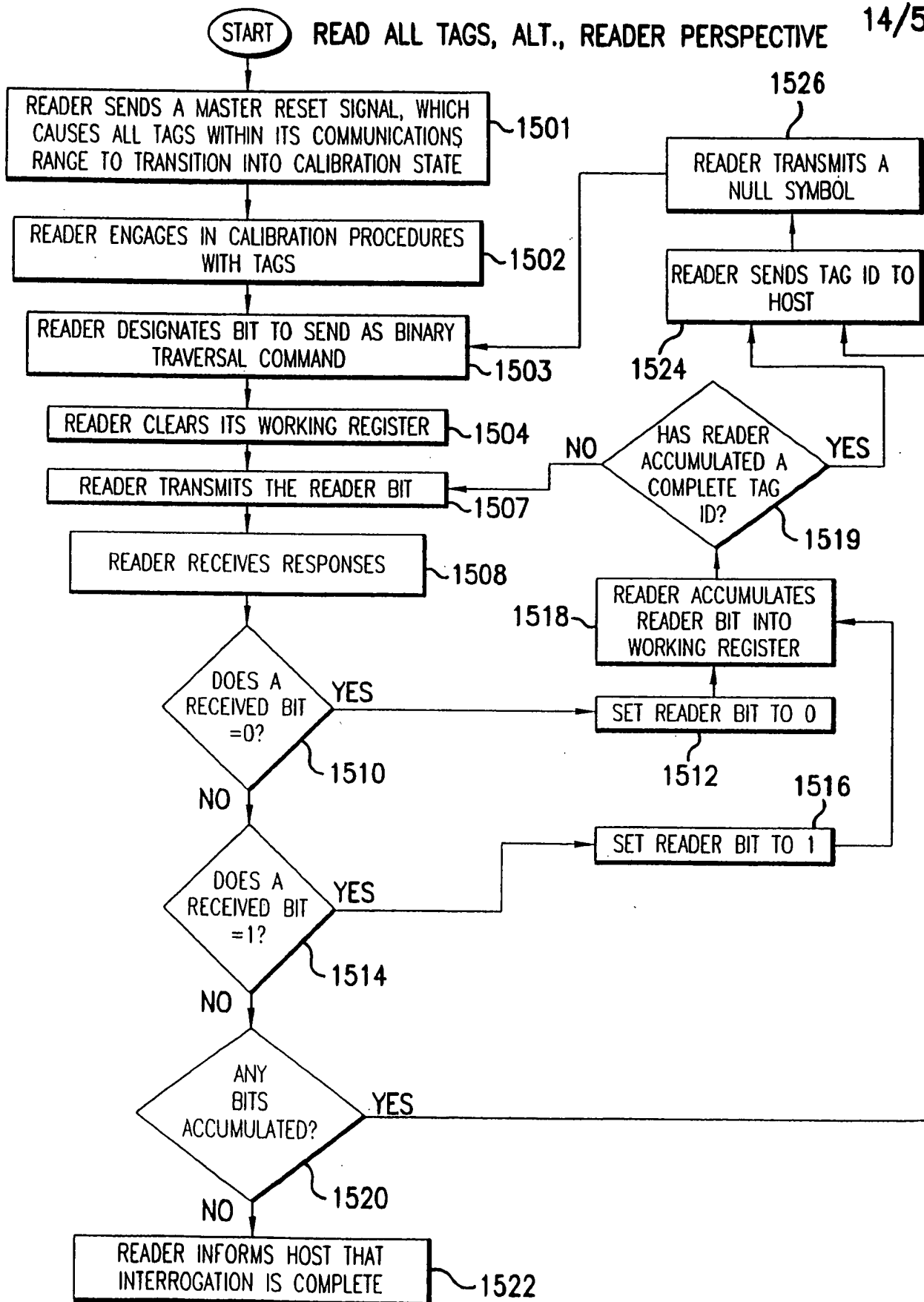


FIG.15B

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BINARY TRAVERAL PATHS AND TREE FOR A 3-BIT TAG POPULATION

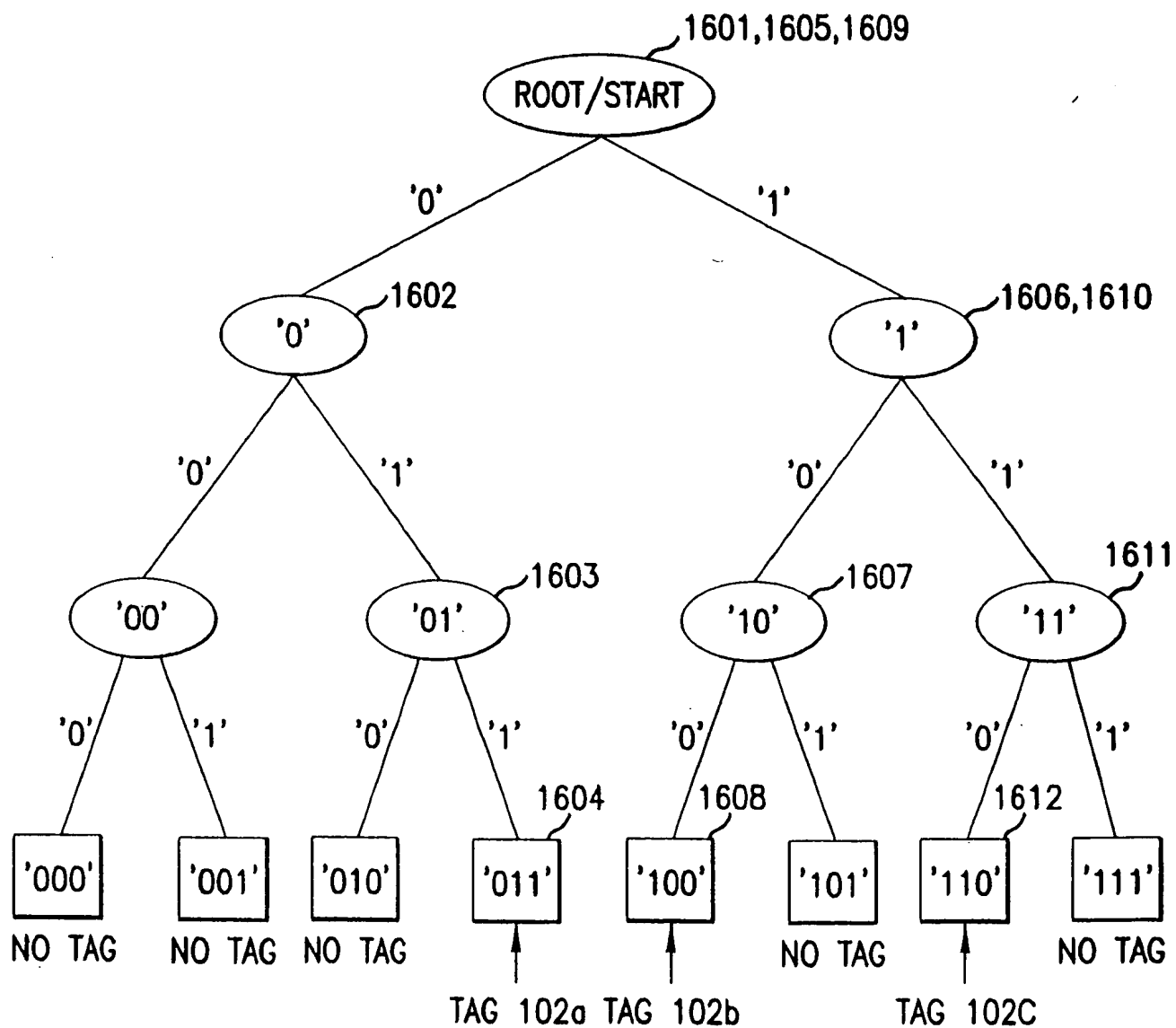


FIG. 16

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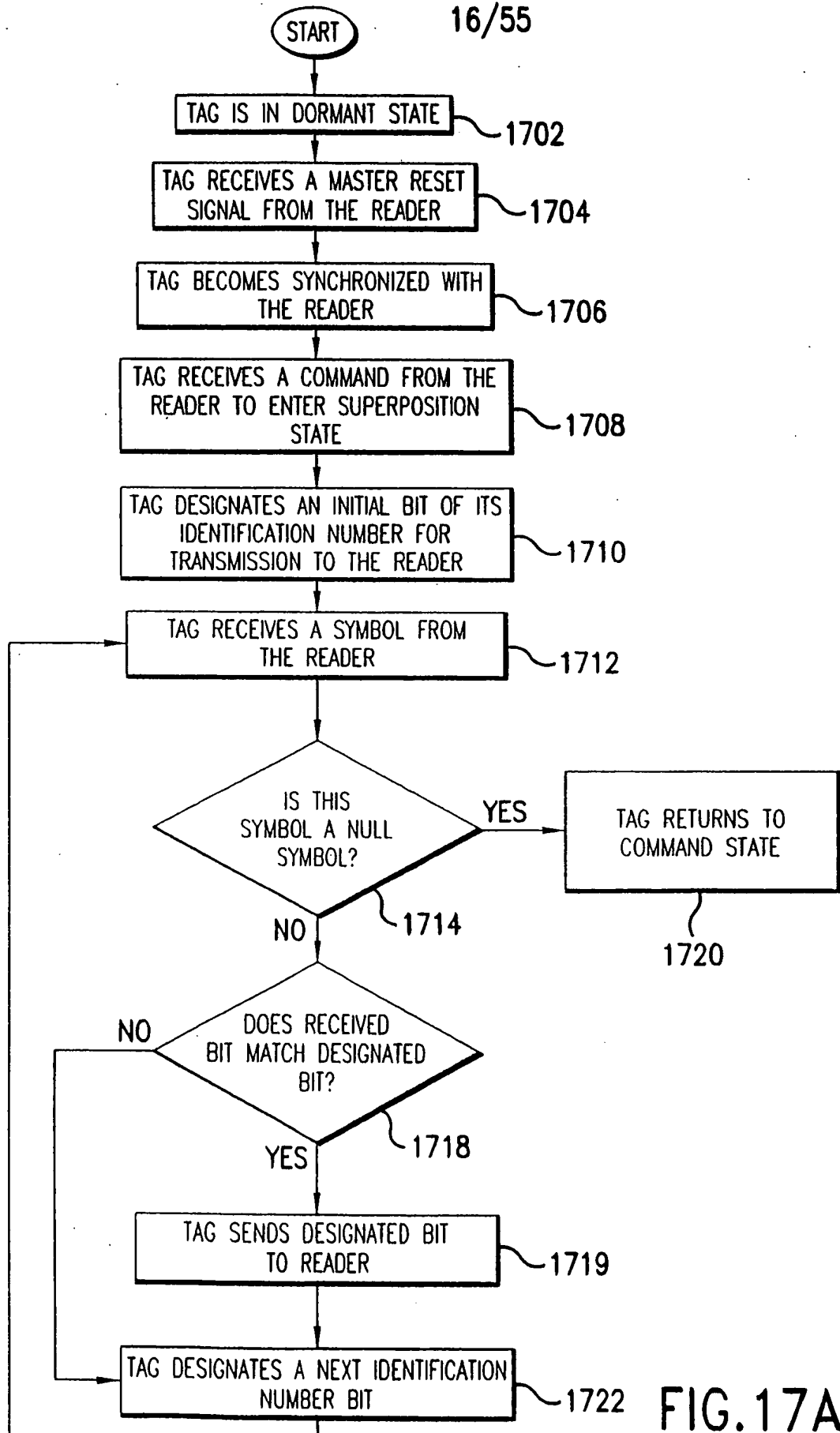
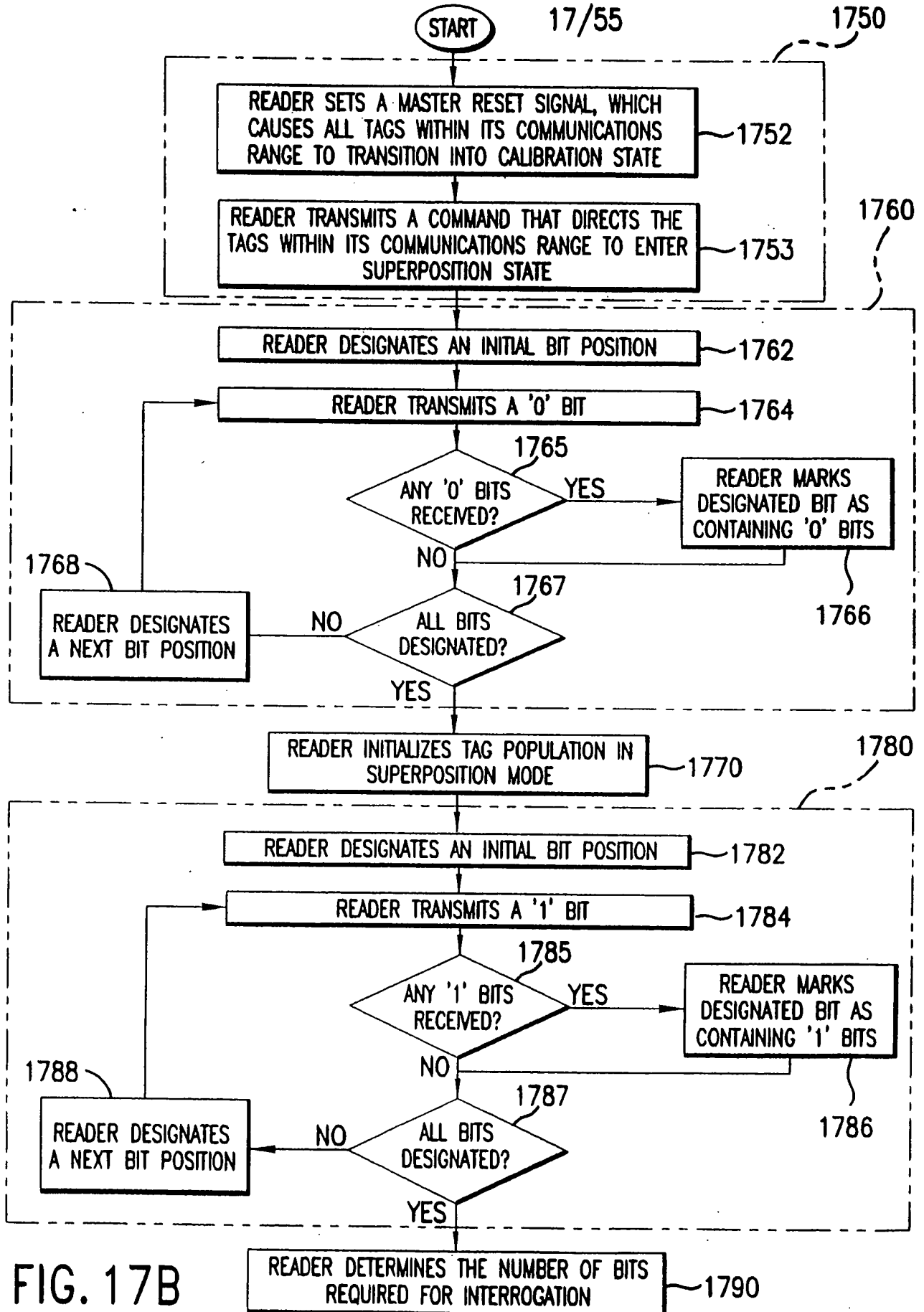


FIG.17A



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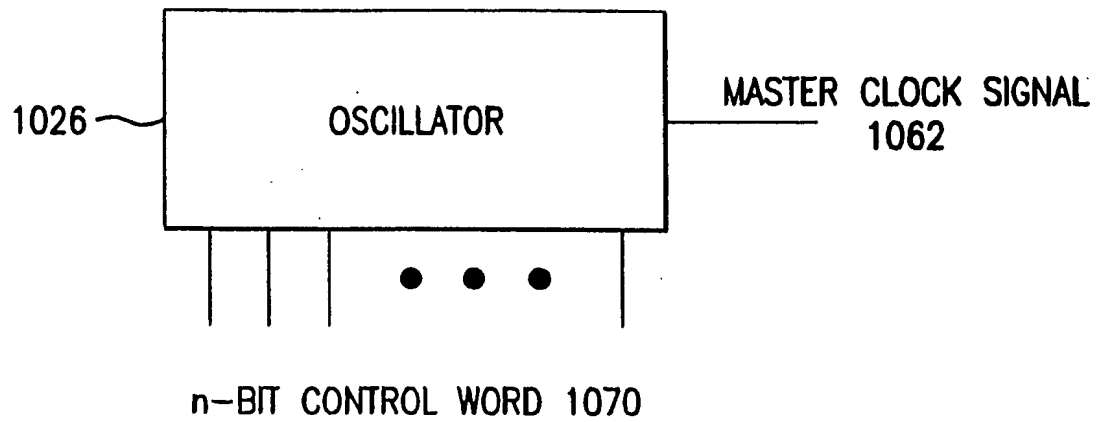


FIG. 18

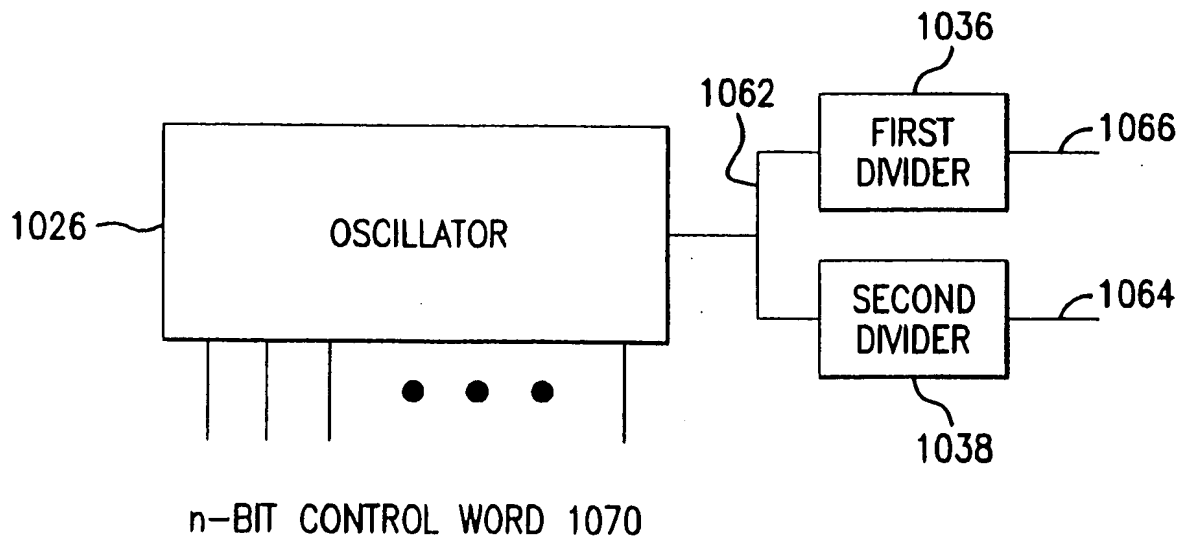
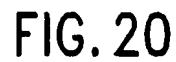


FIG. 19



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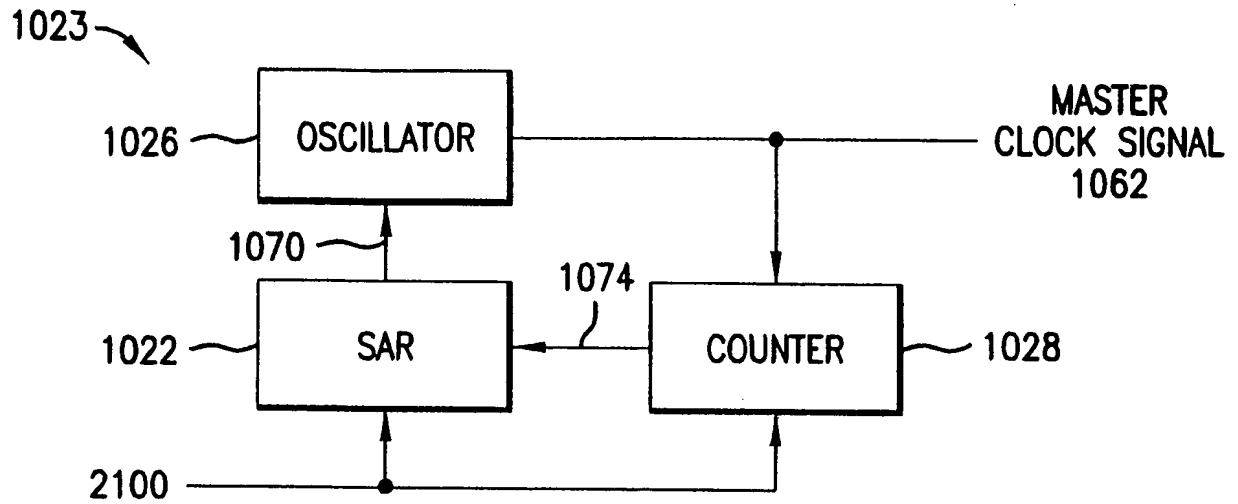


FIG. 21A

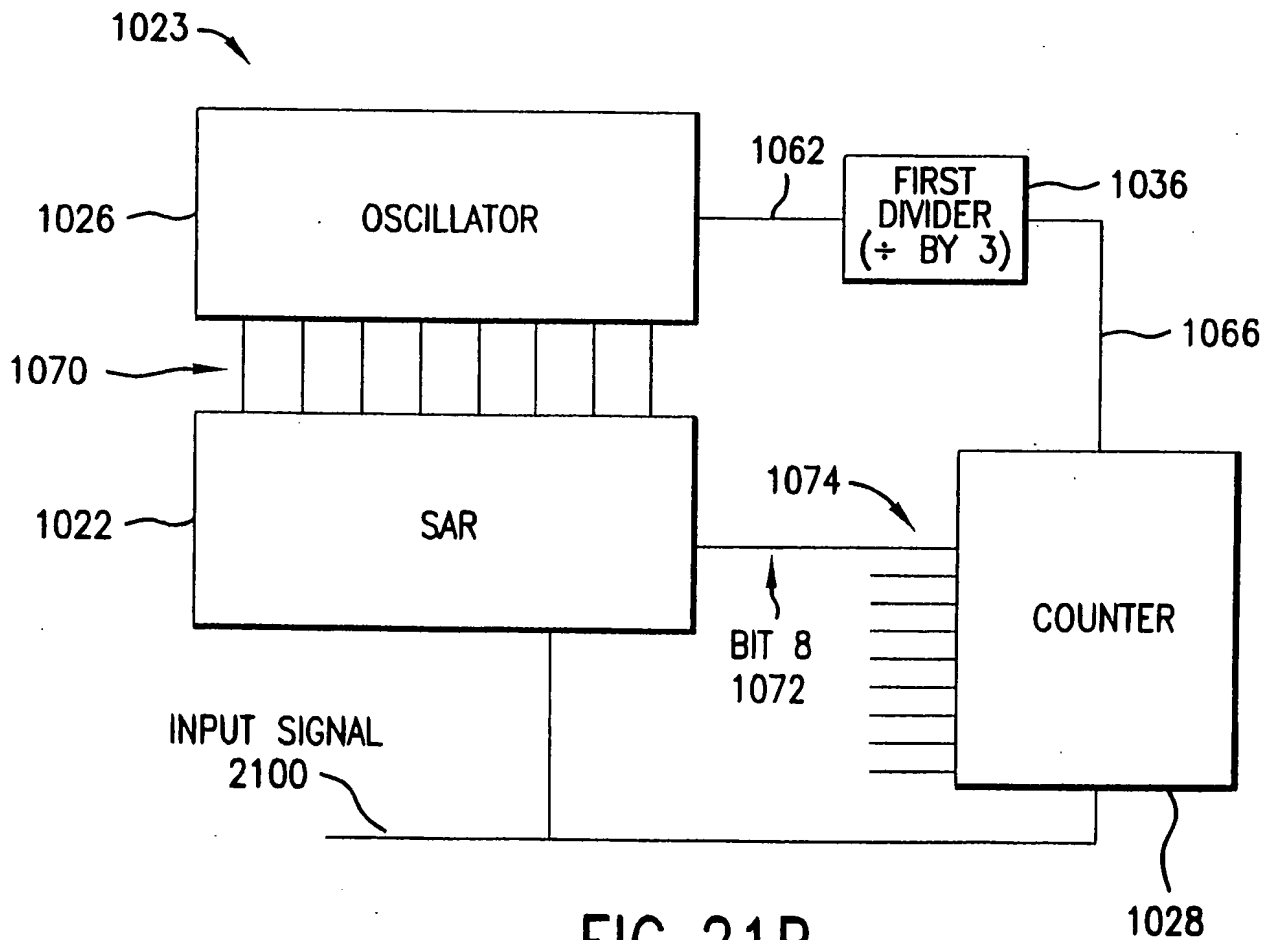


FIG. 21B

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CONCEPTUAL IMPLEMENTATION OF SAR CALIBRATION

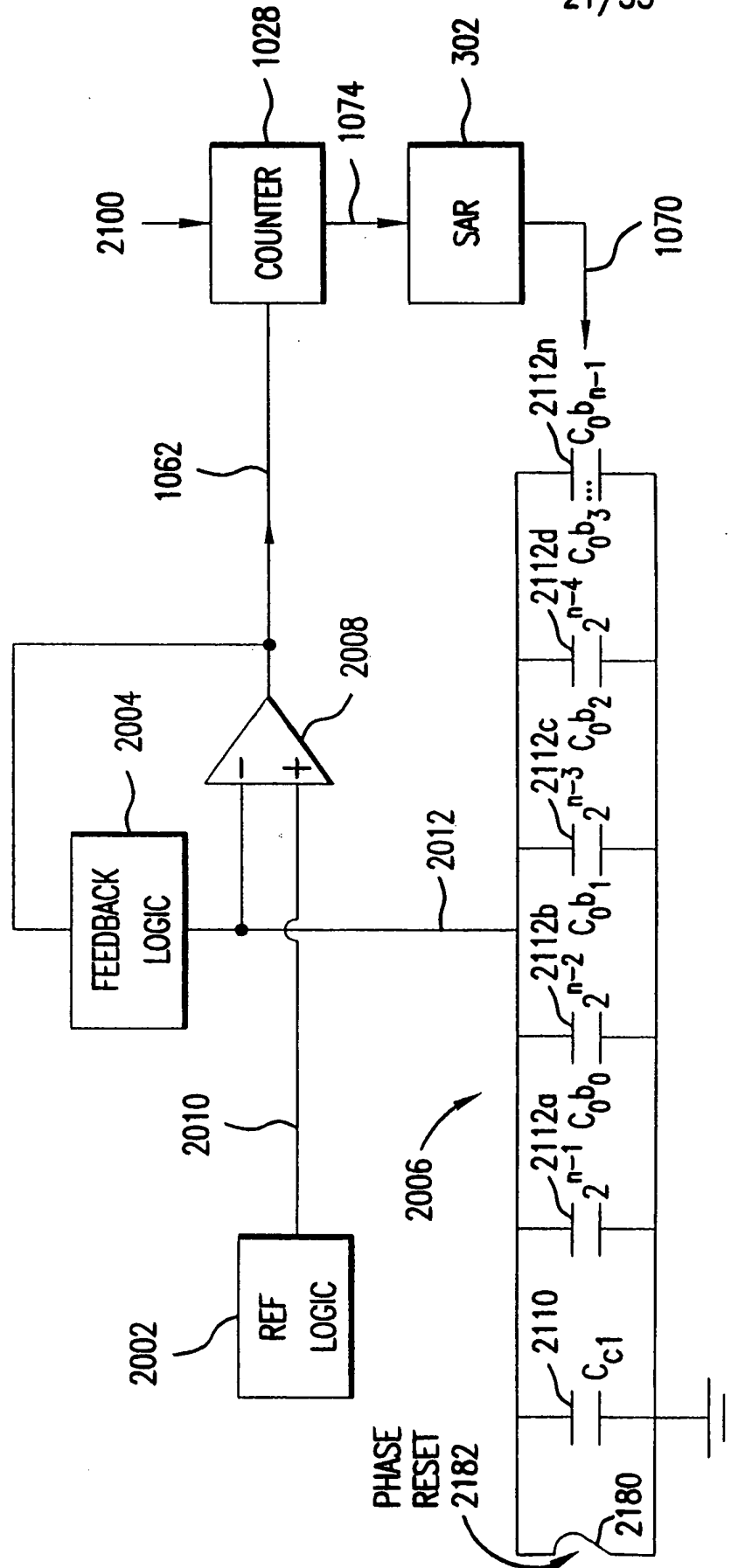


FIG. 21C

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PHYSICAL IMPLEMENTATION OF ADJUSTABLE CAPACITOR BANK

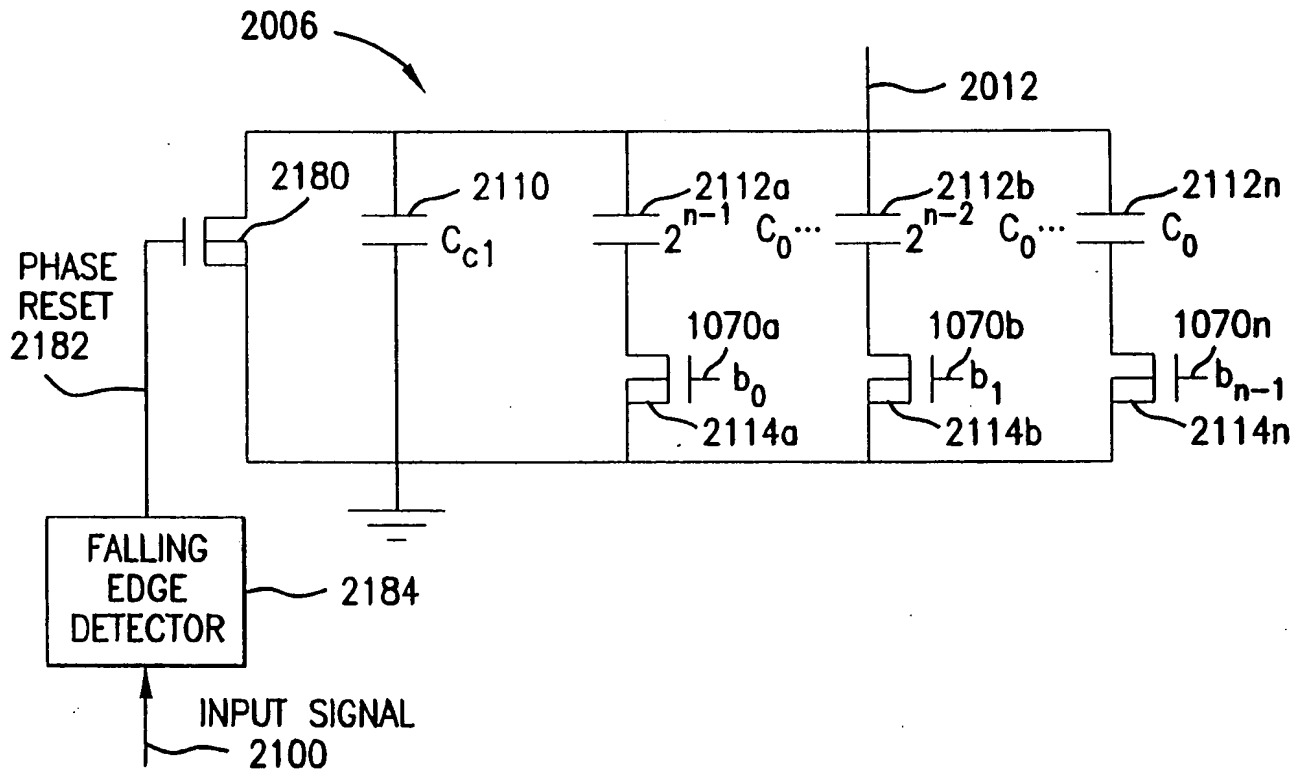
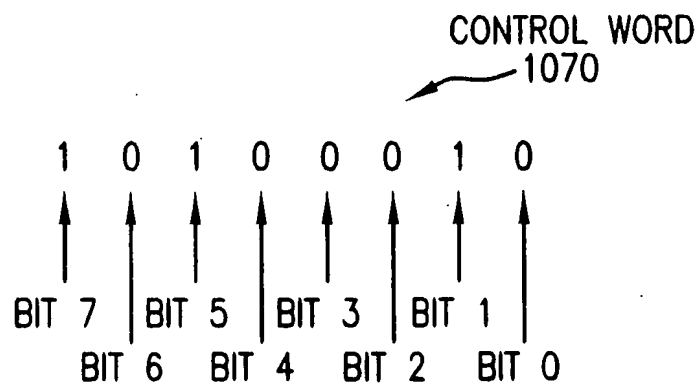
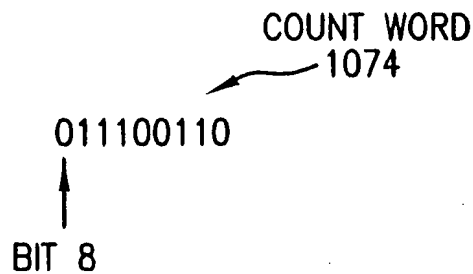
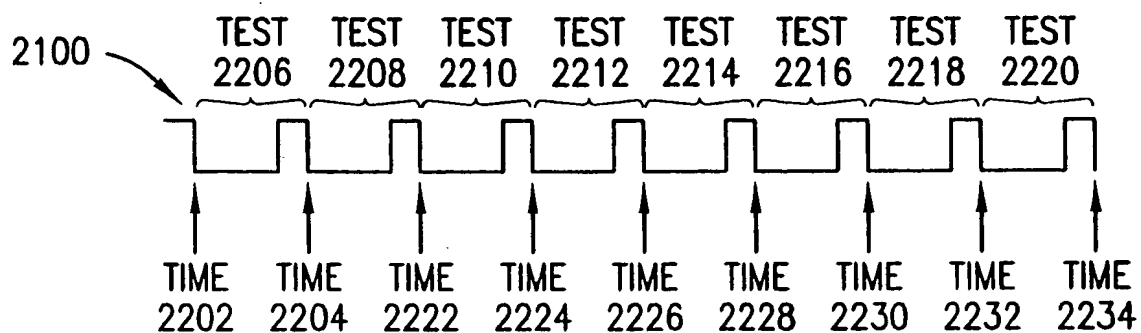
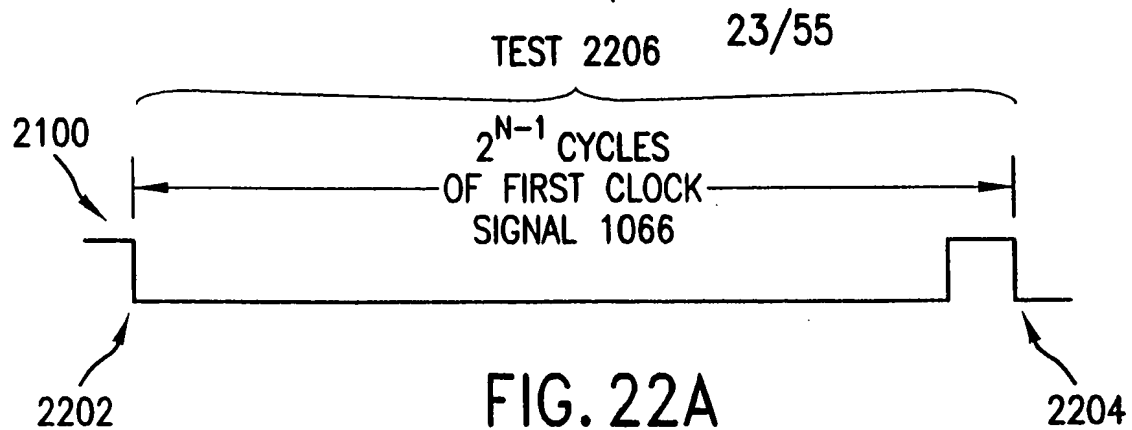


FIG. 21D



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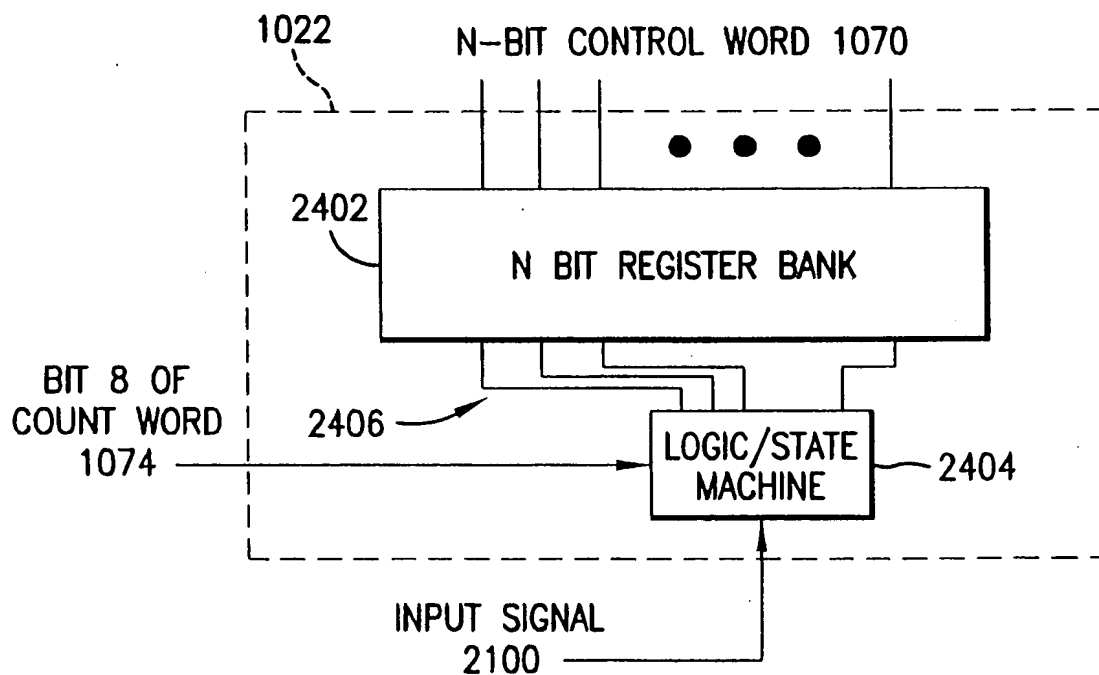


FIG. 24

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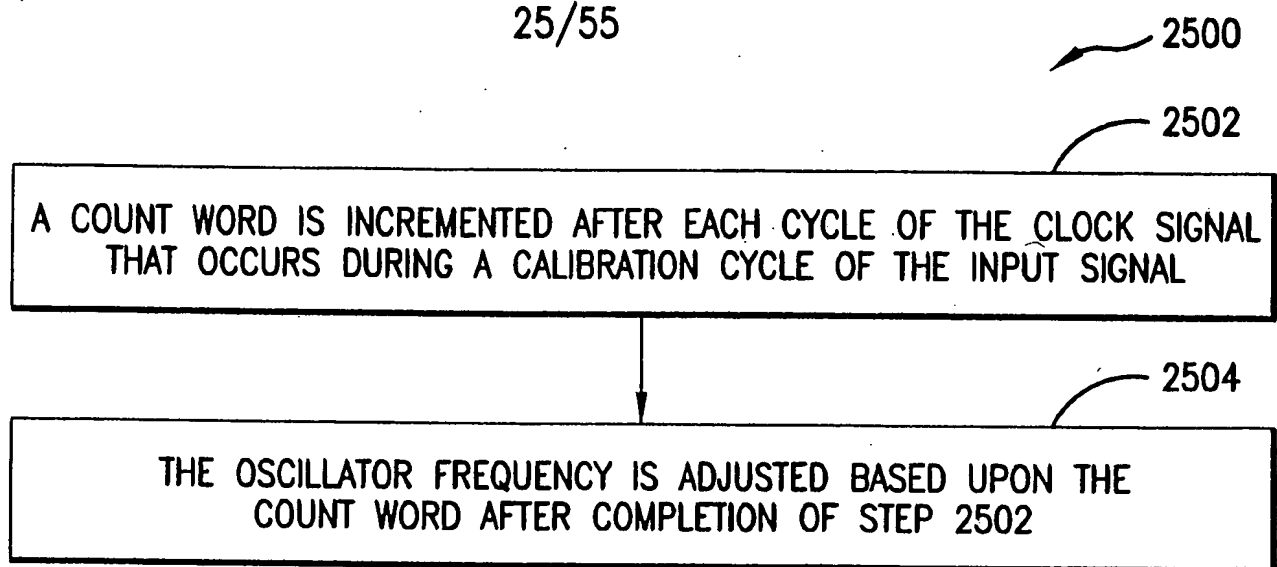


FIG. 25A

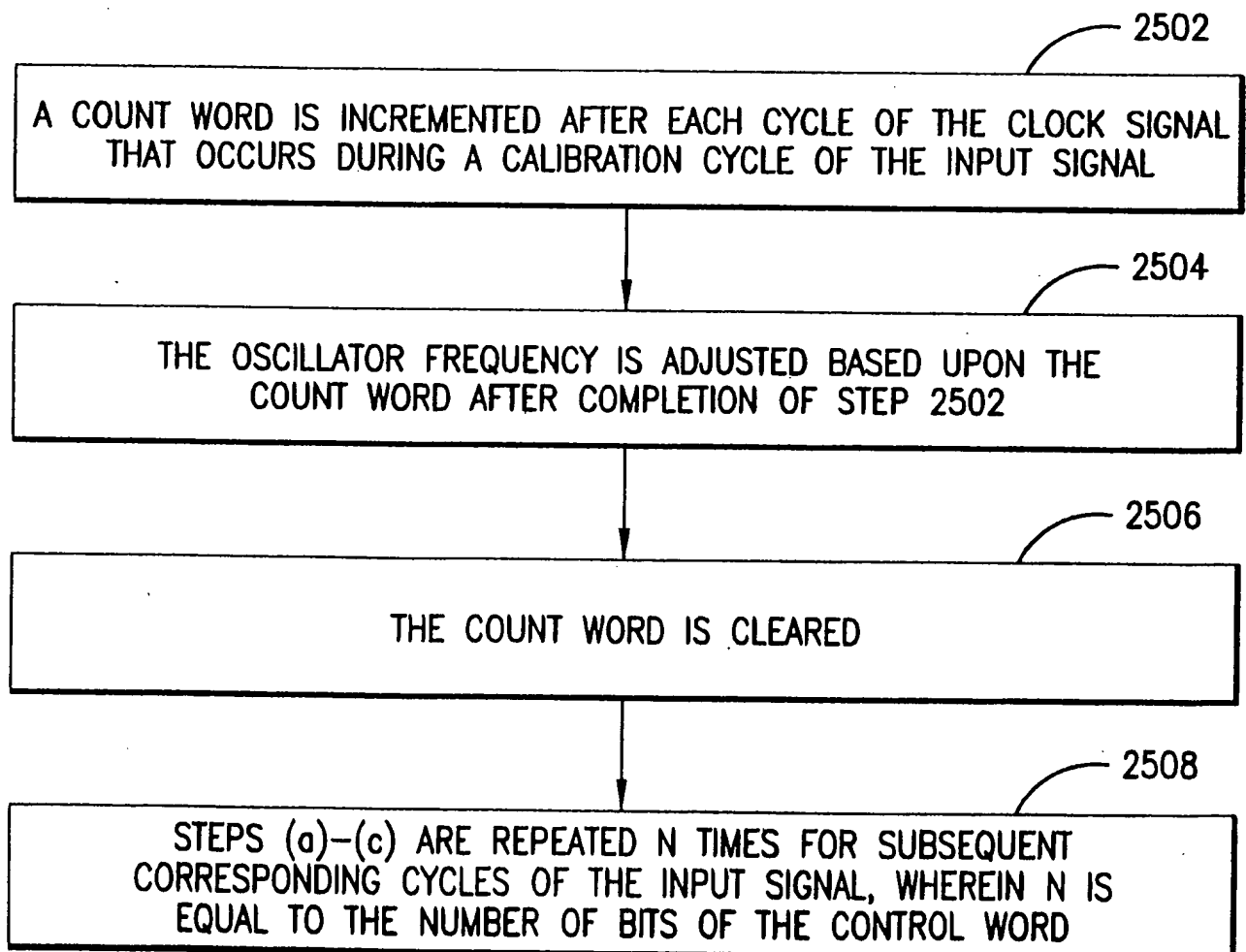


FIG. 25B

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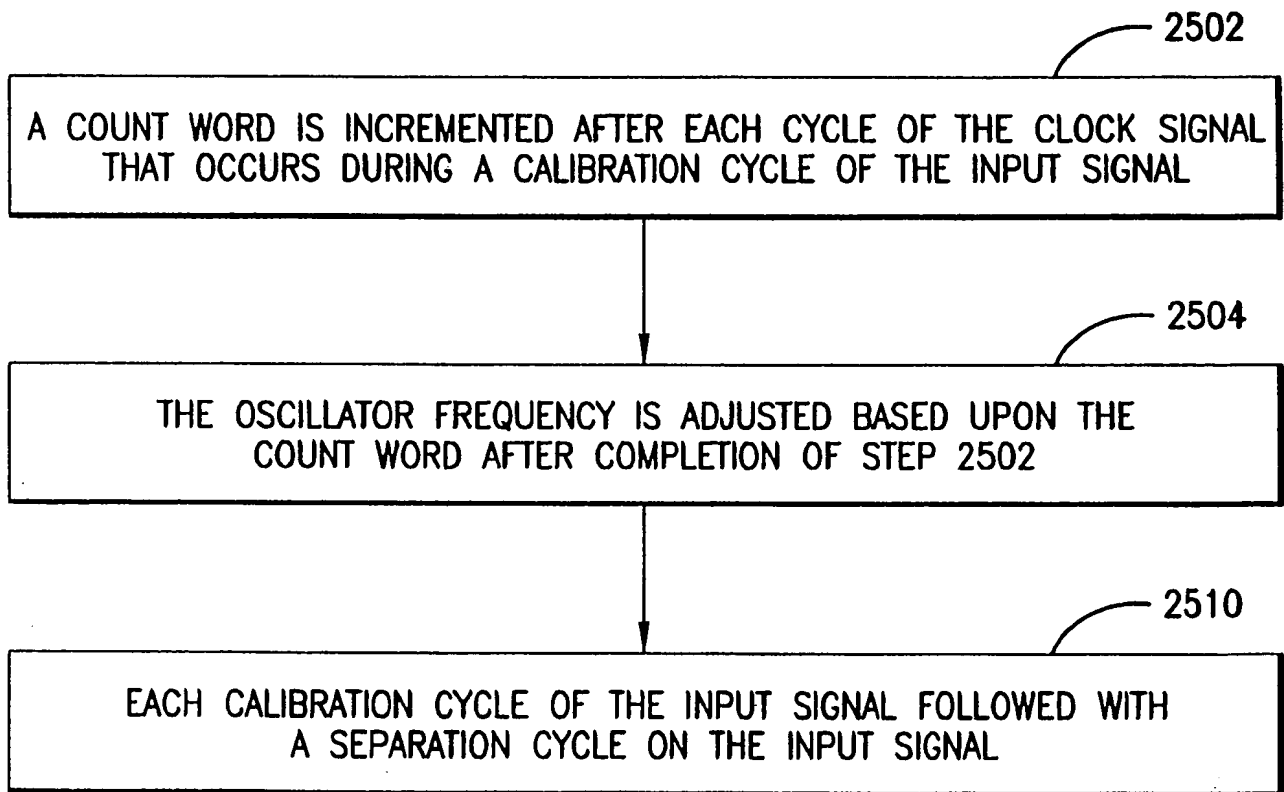


FIG. 250C

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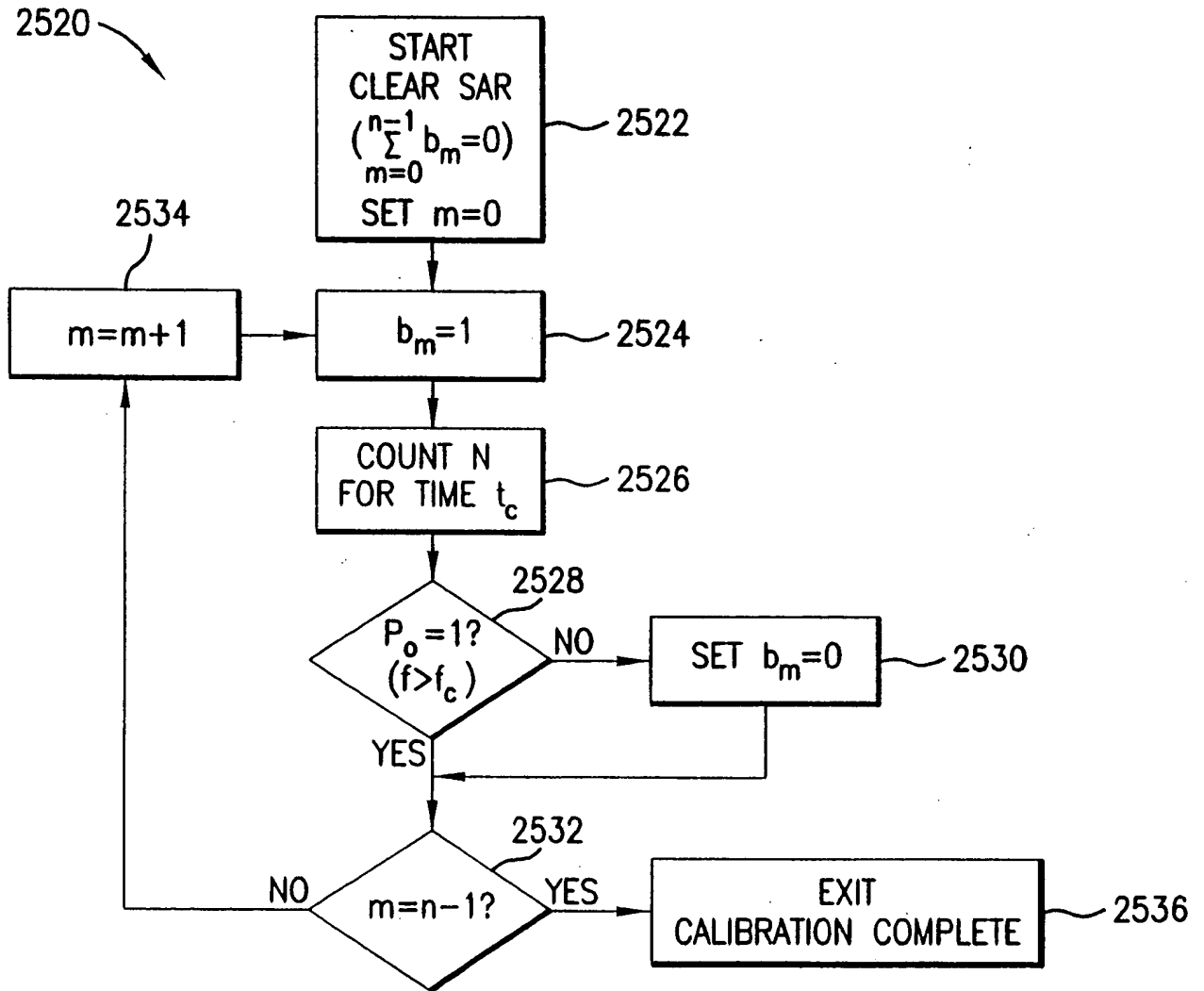


FIG. 25D

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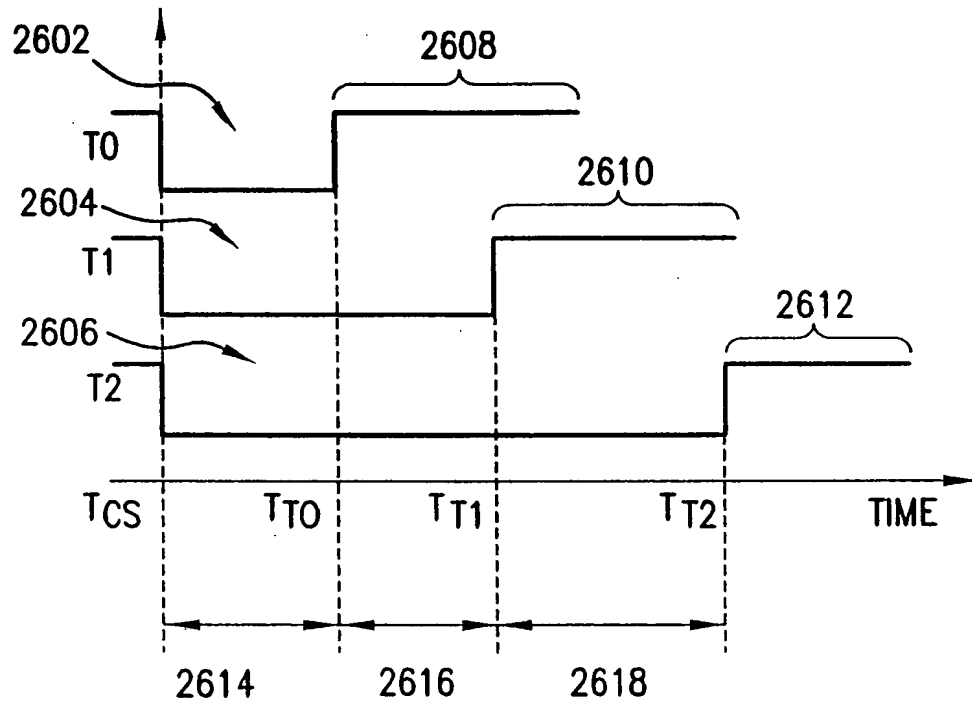


FIG.26A

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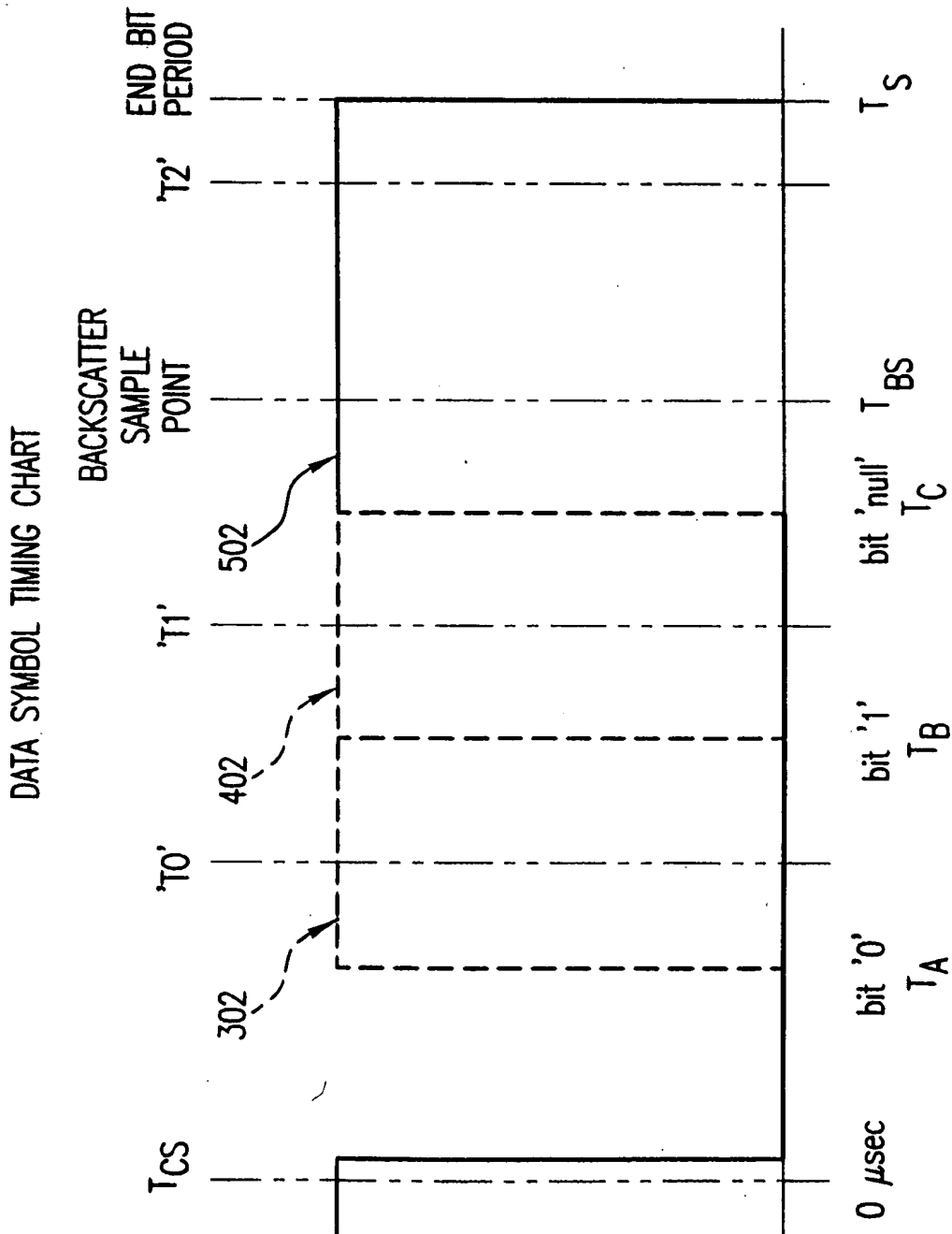


FIG.26B

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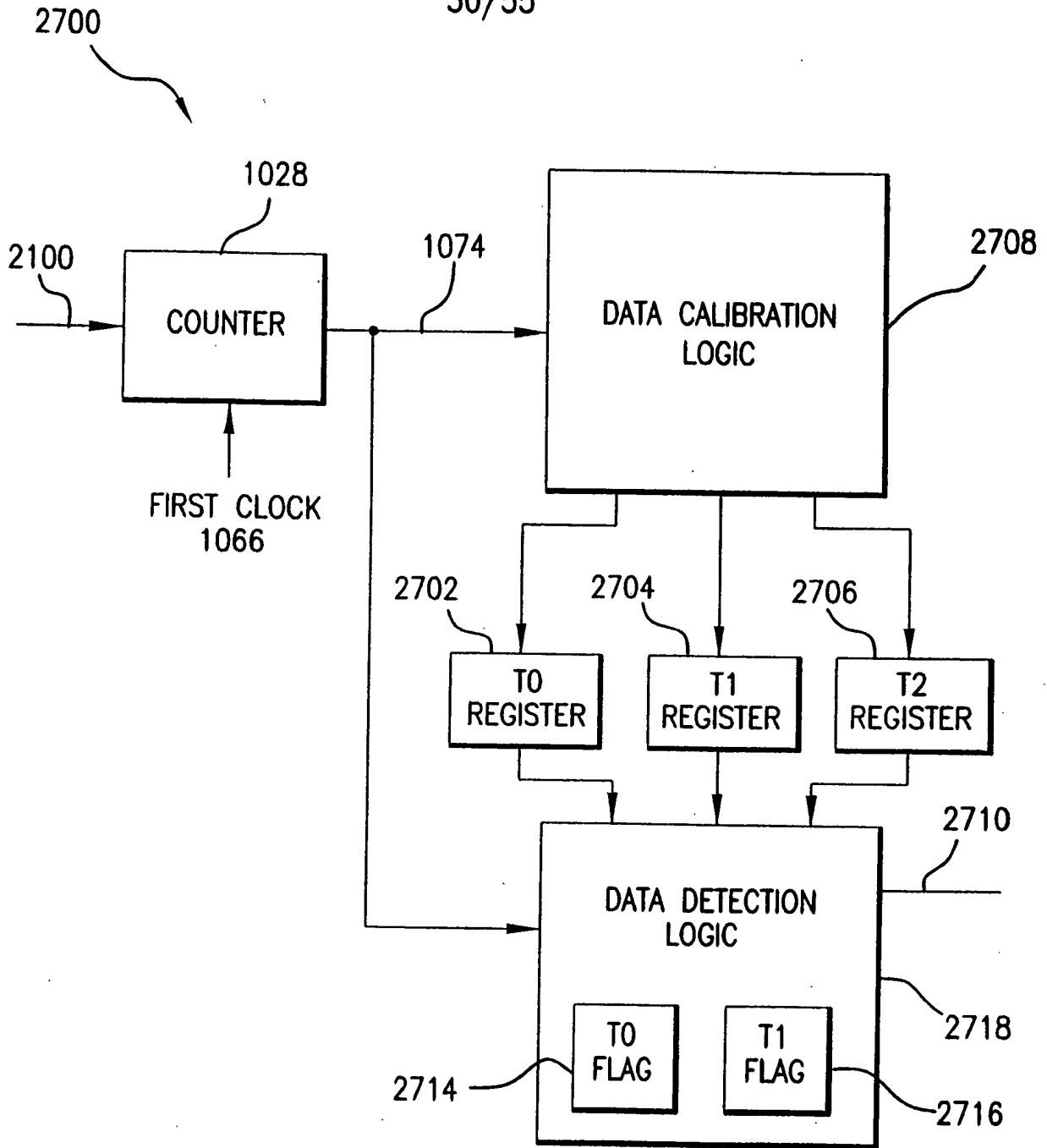


FIG.27

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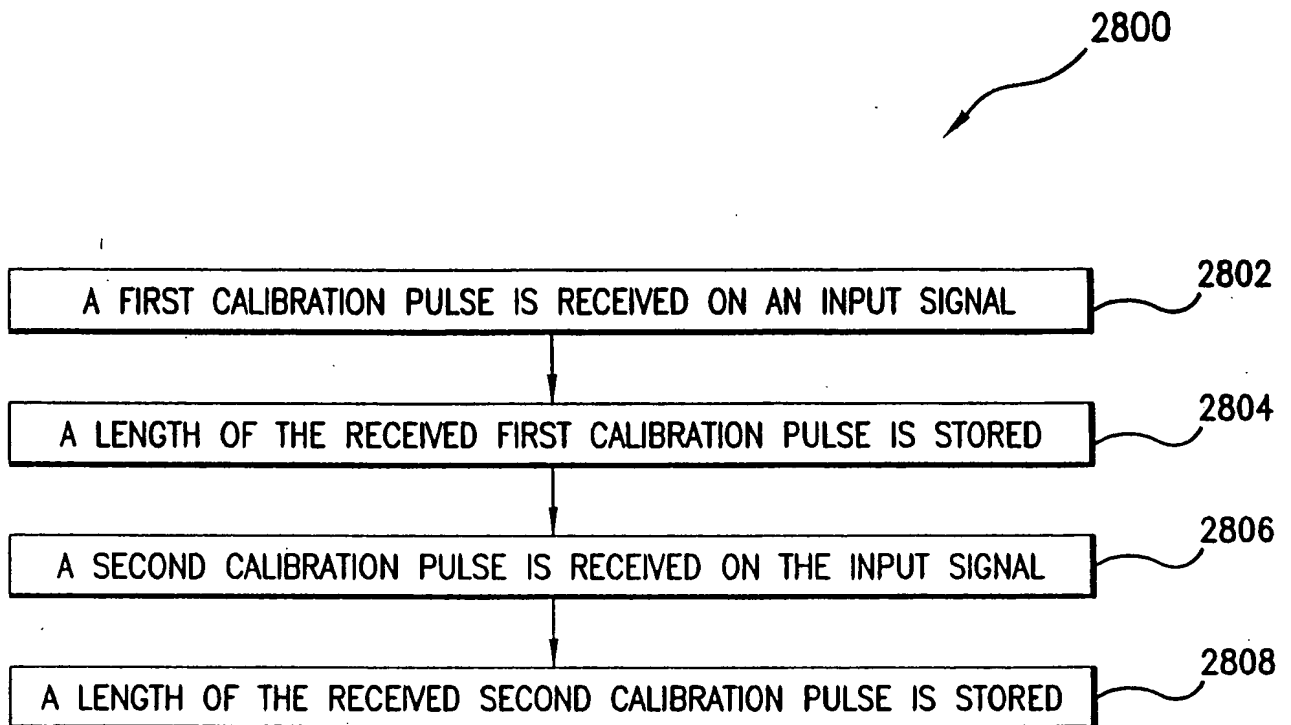


FIG.28A

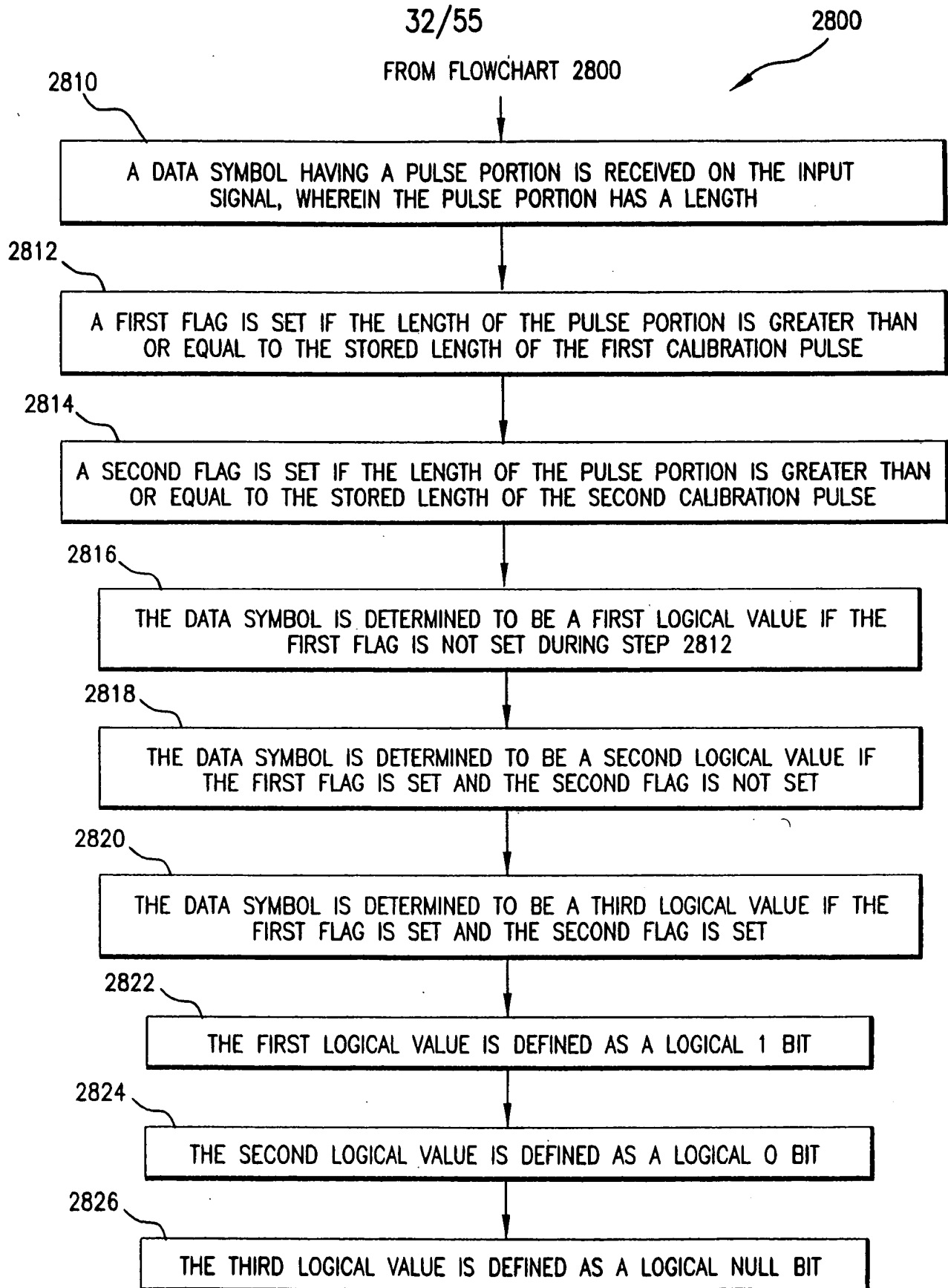


FIG.28B

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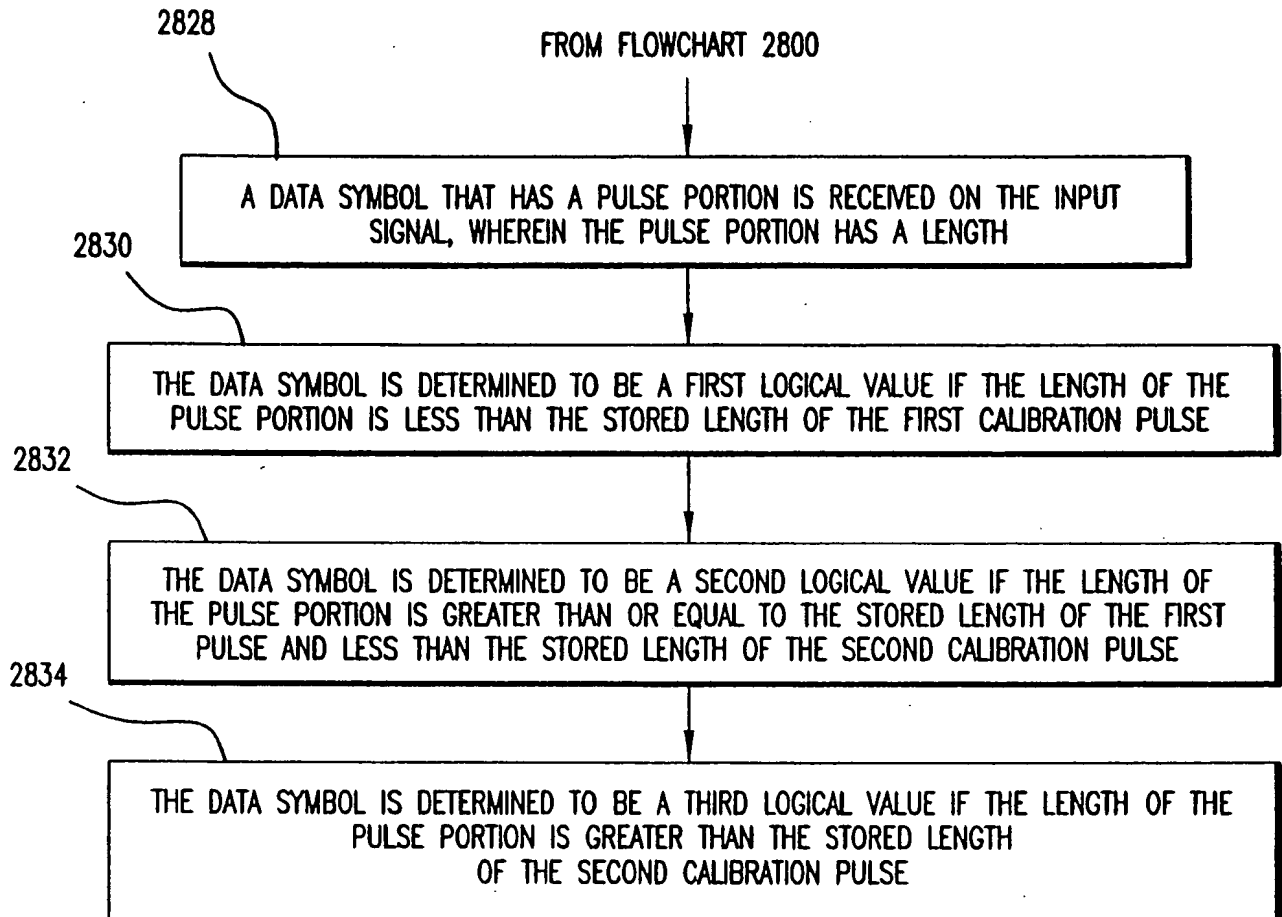


FIG.28C

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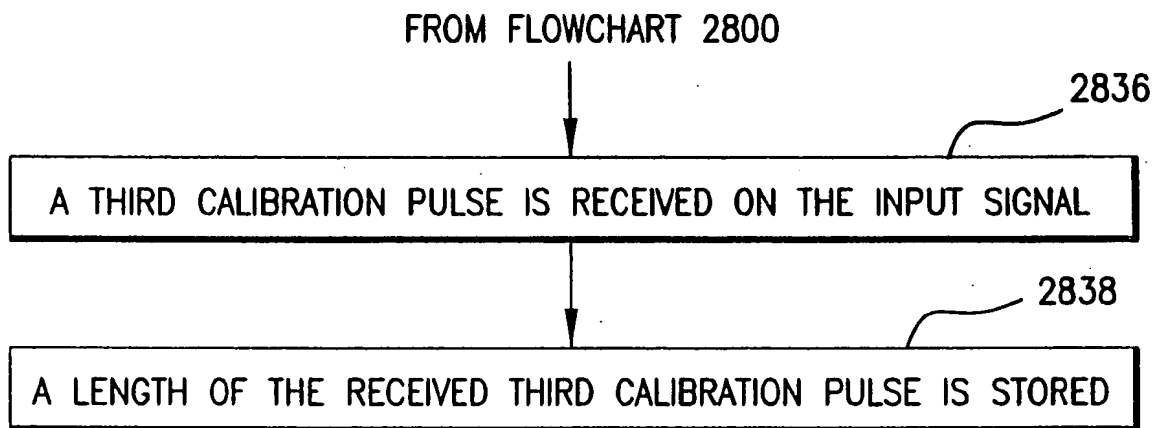
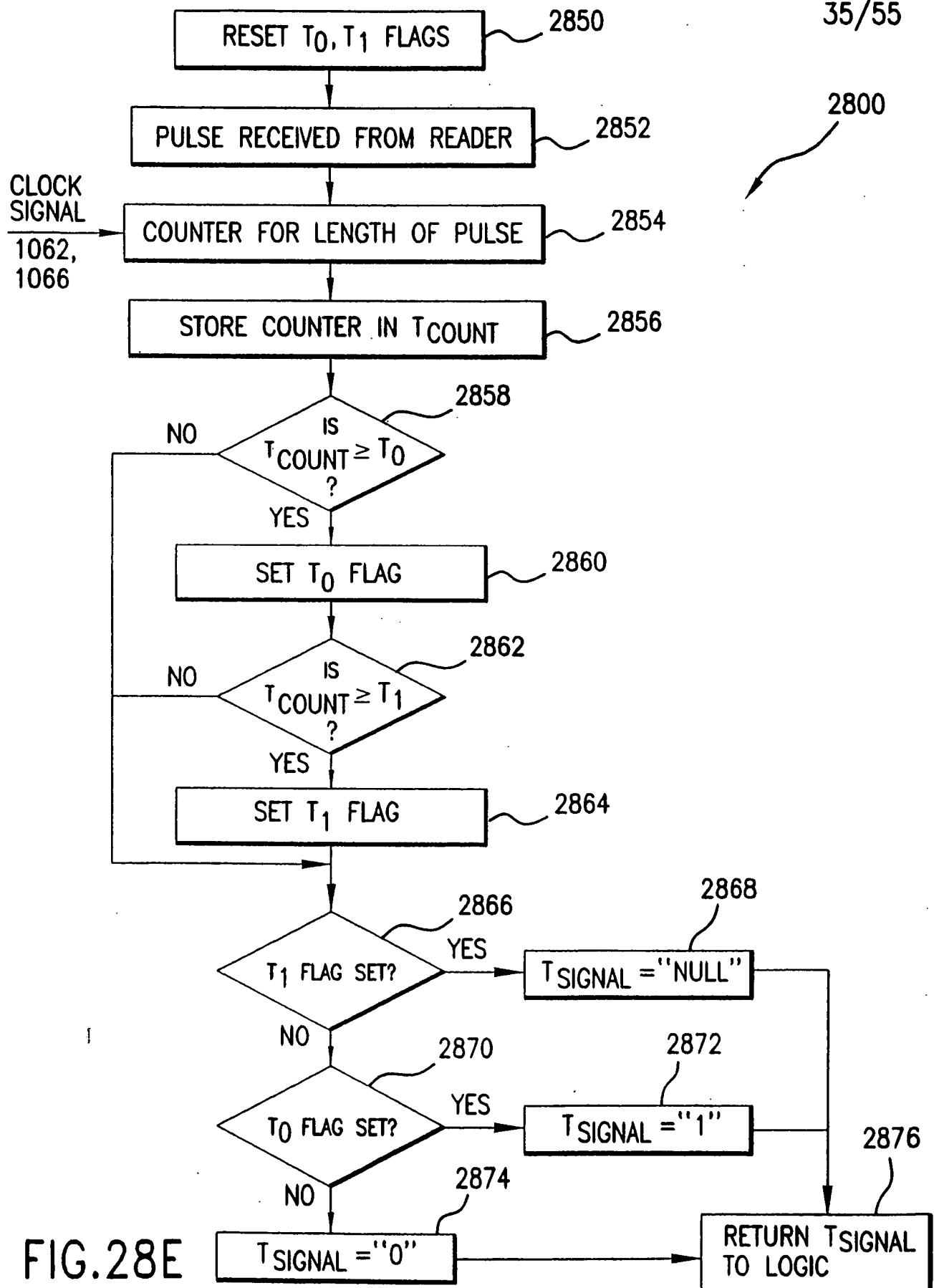


FIG.28D

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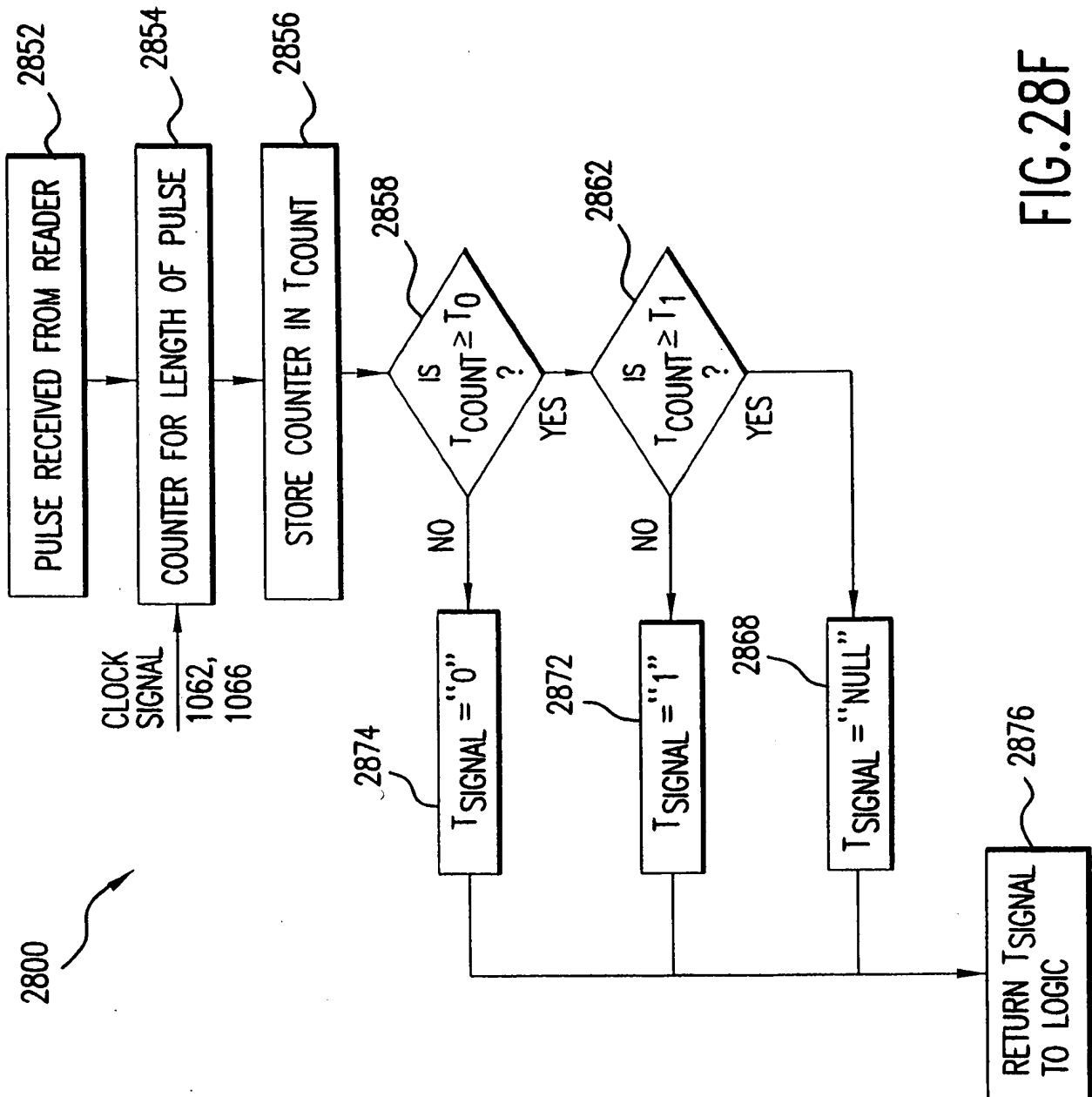


FIG.28F

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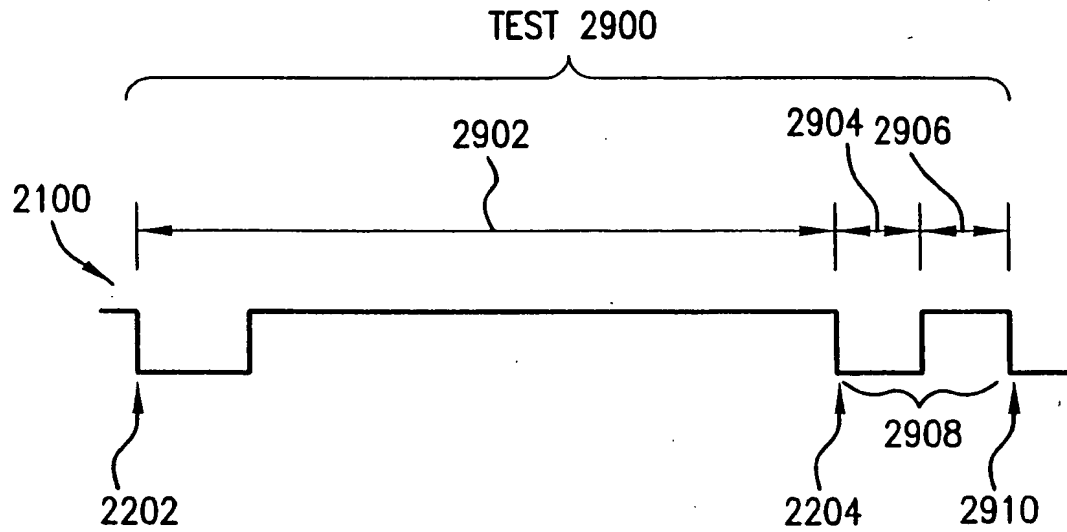


FIG.29

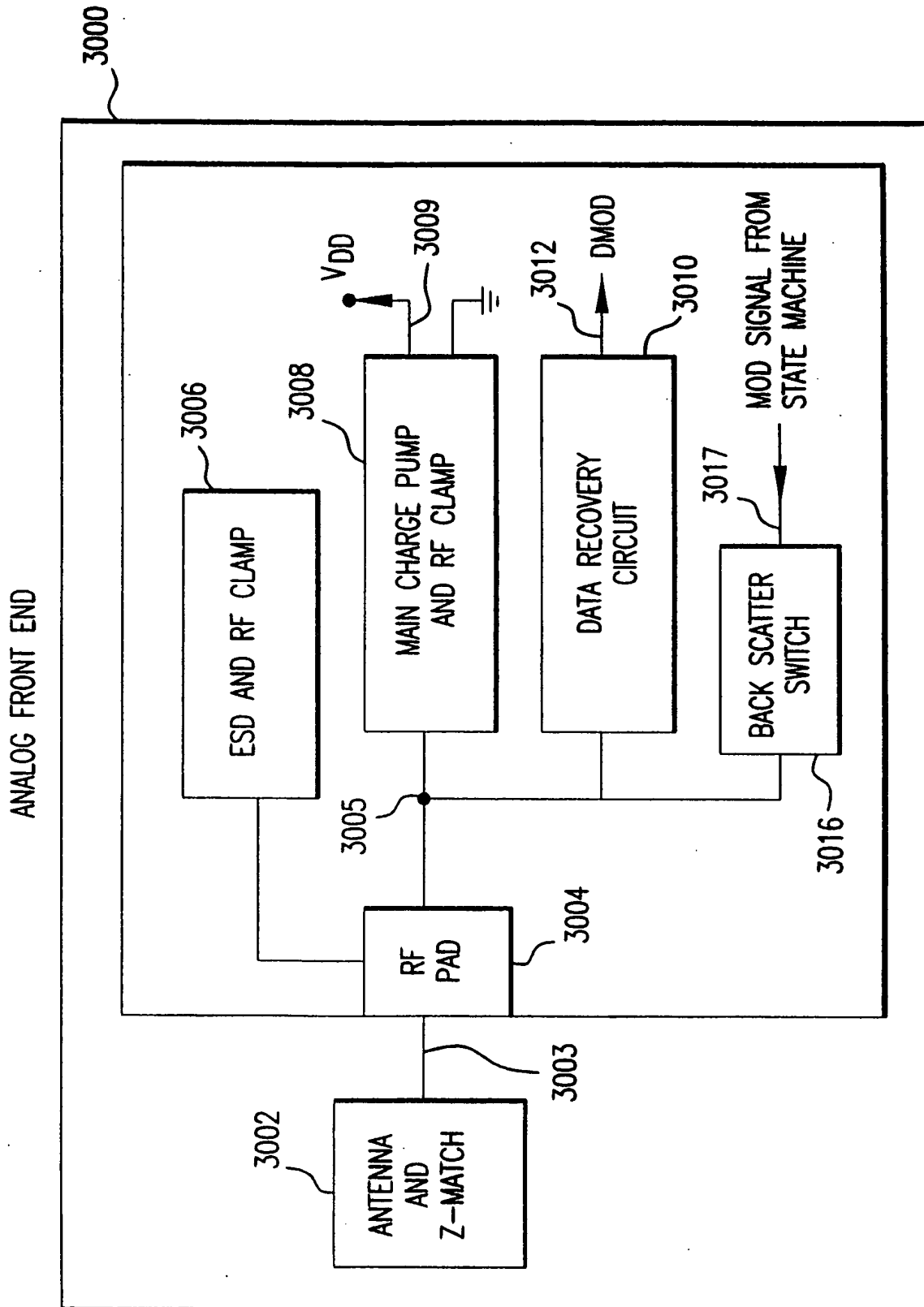


FIG. 30

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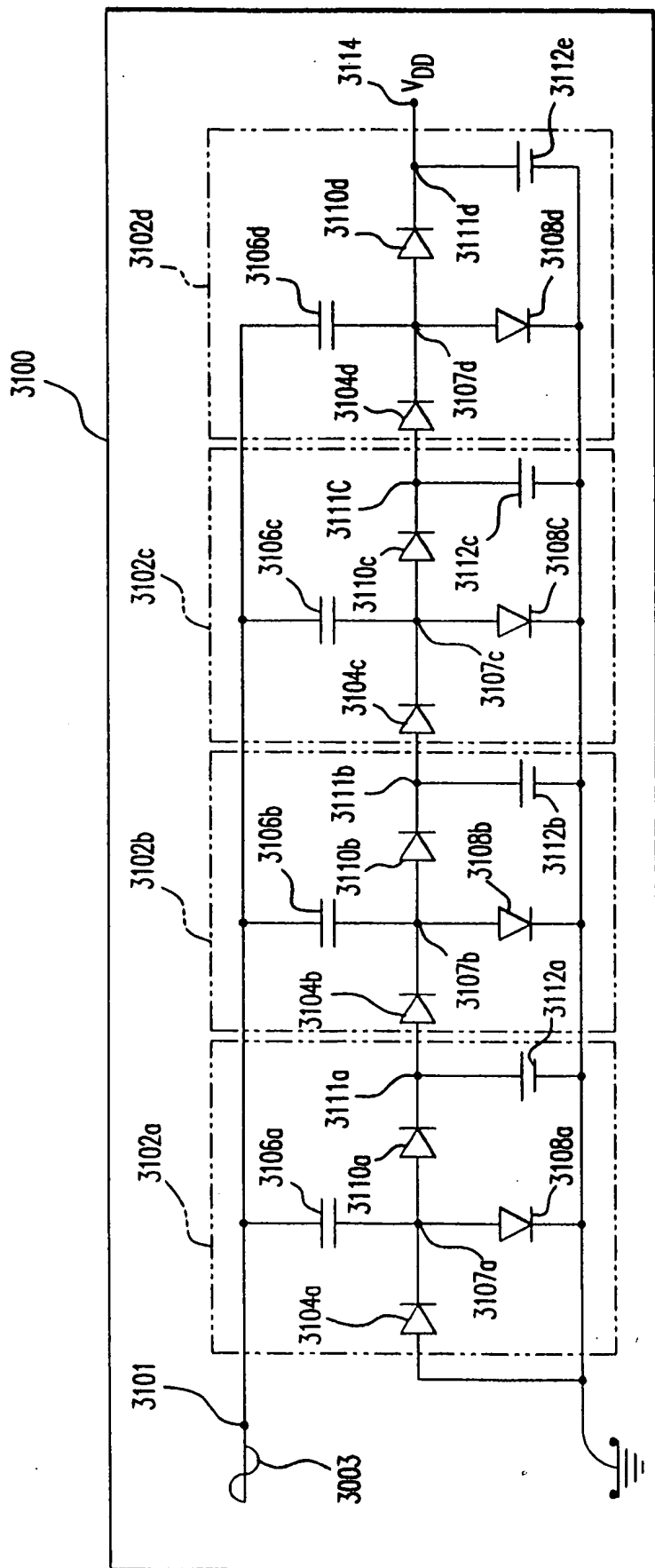


FIG.31

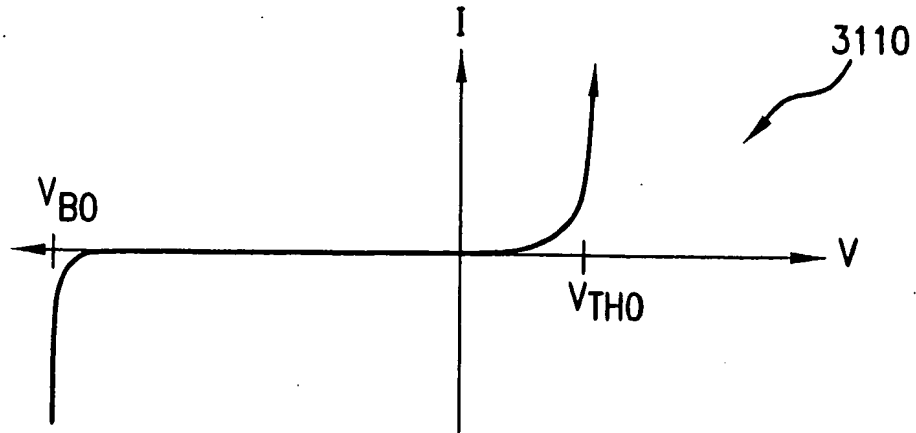


FIG. 32A

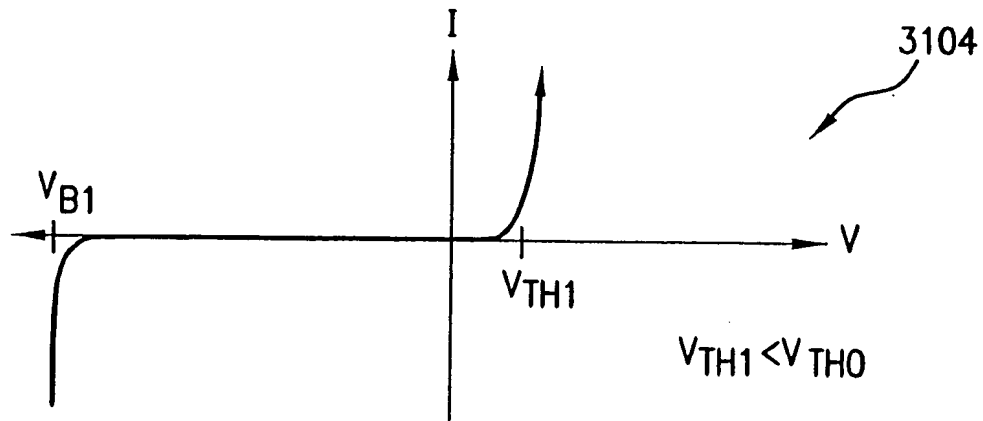


FIG. 32B

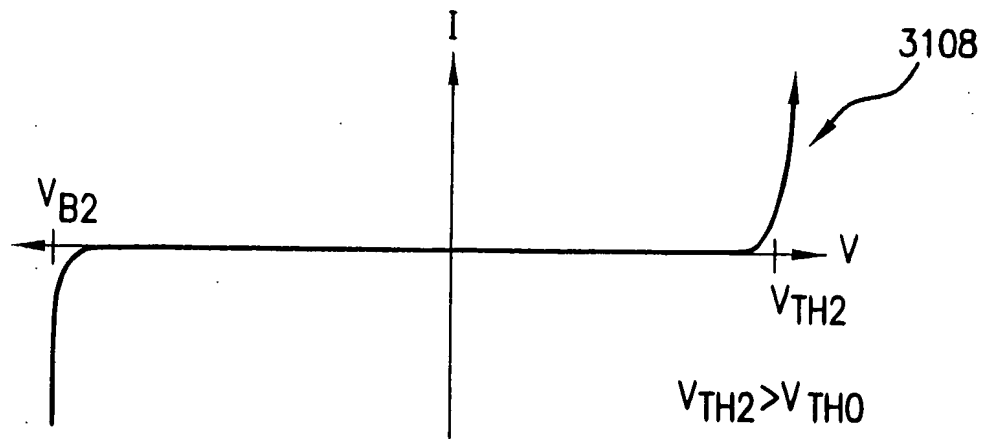


FIG. 32C

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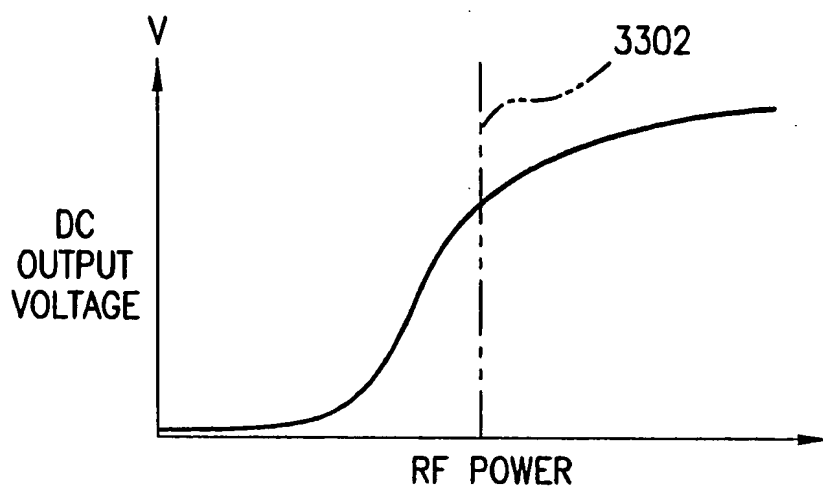


FIG. 33A

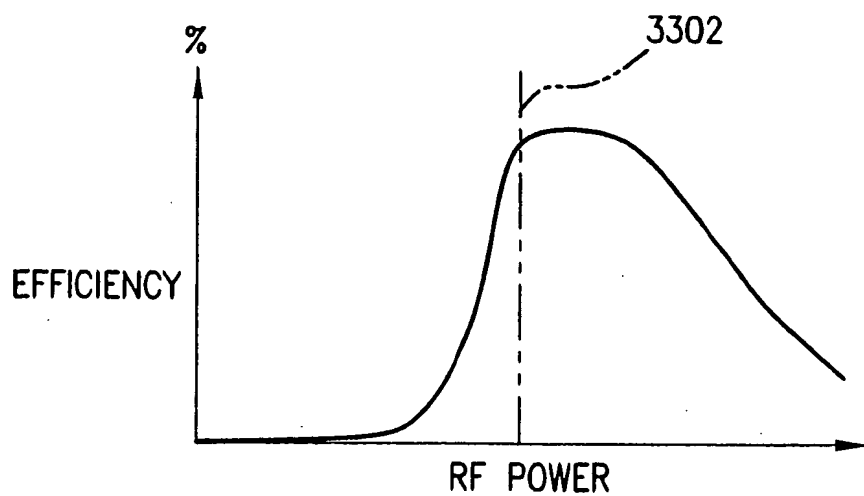


FIG. 33B

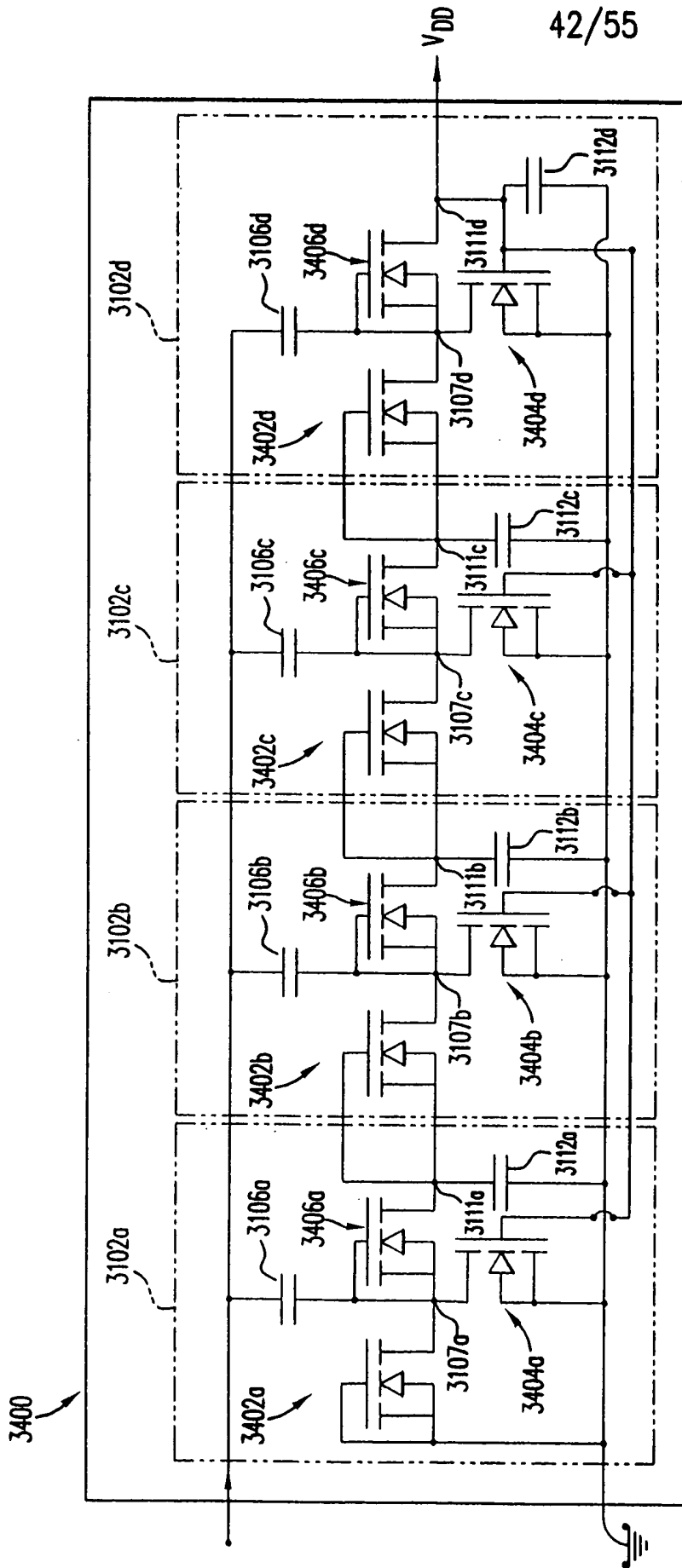


FIG. 34A

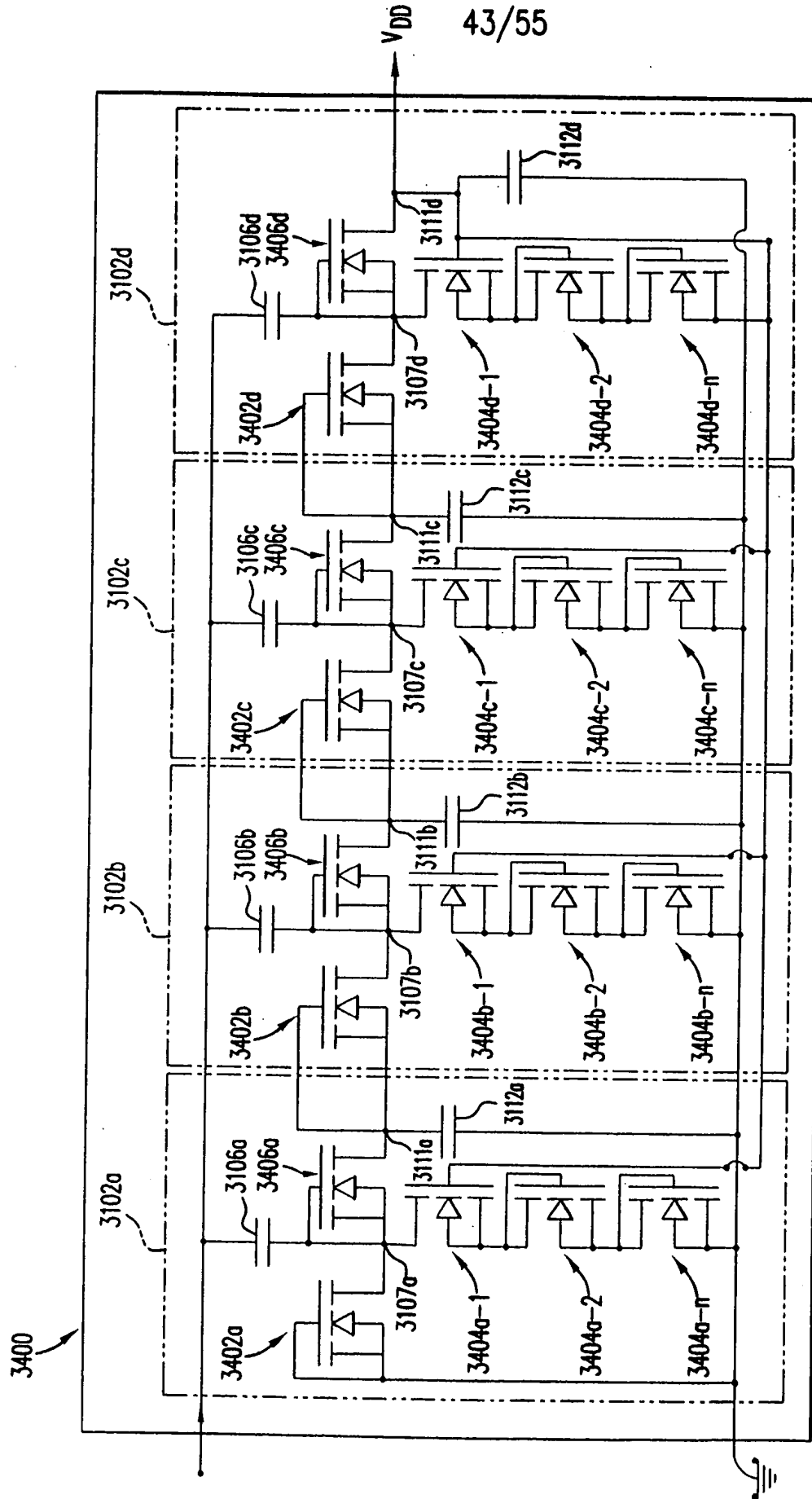


FIG. 34B

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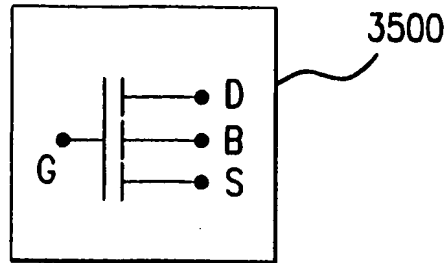
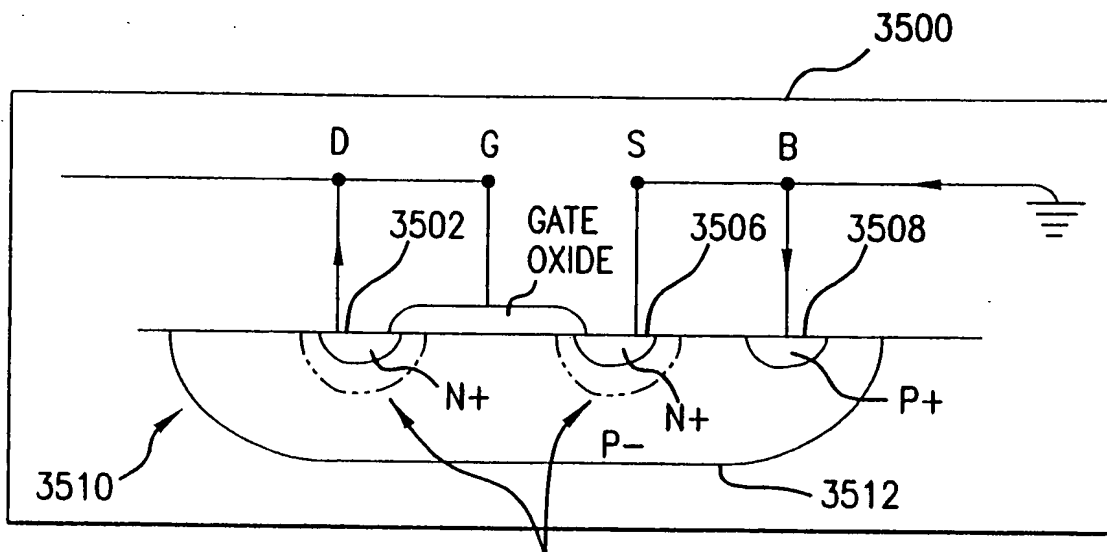


FIG.35A



ZERO BIASED
 DEPLETION
 REGION

FIG.35B

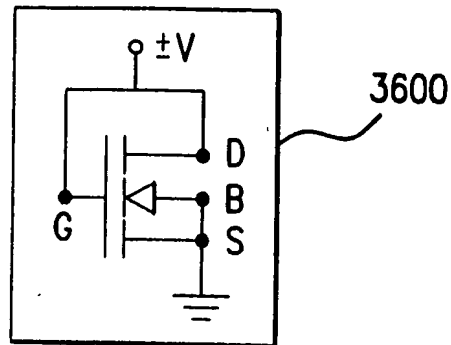


FIG.36A

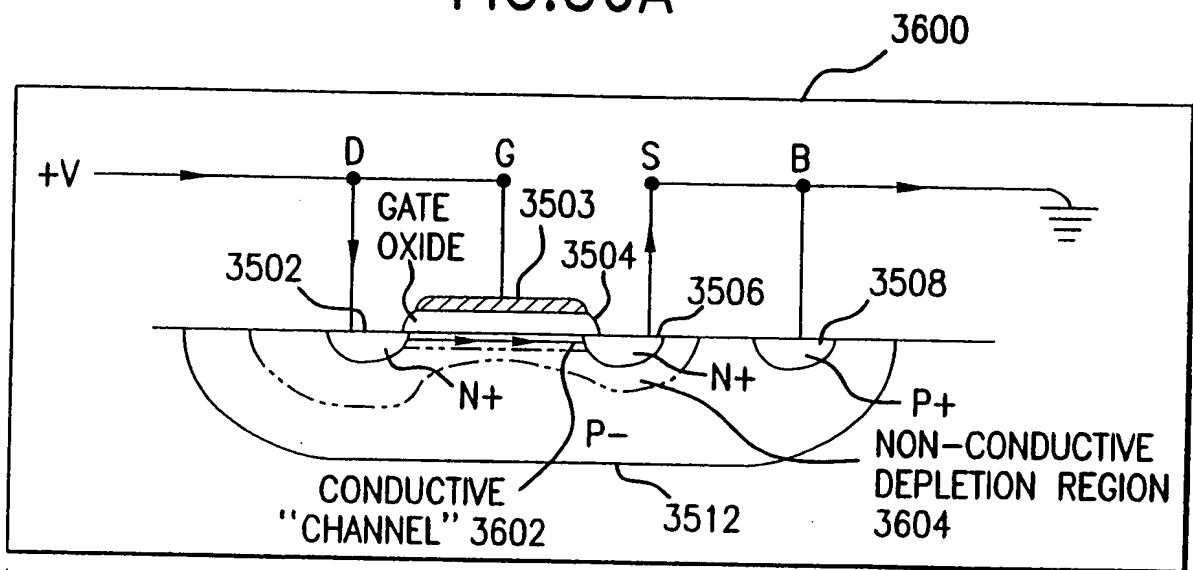


FIG.36B

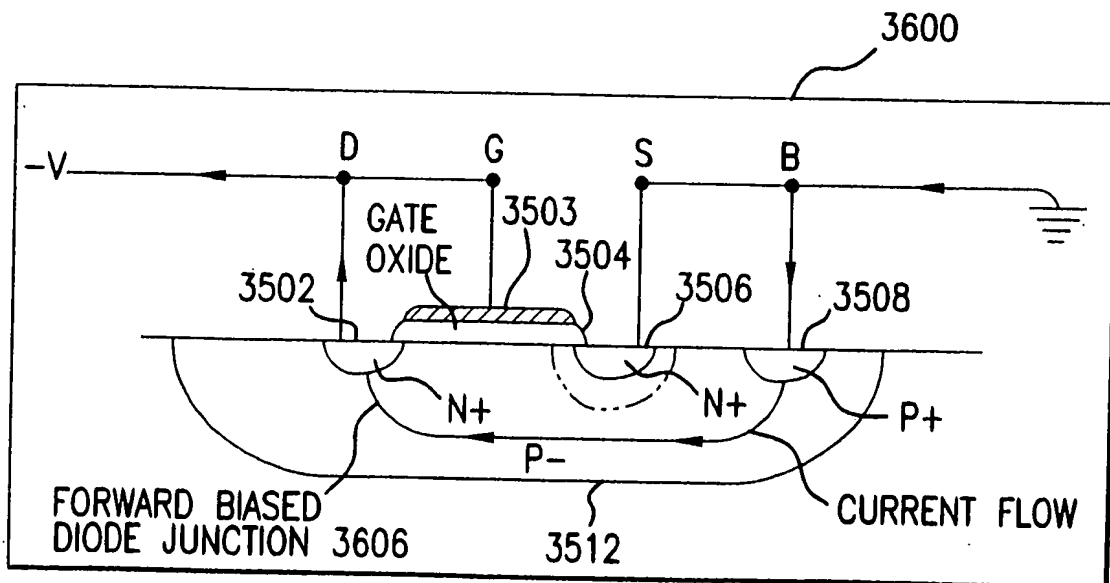


FIG.36C

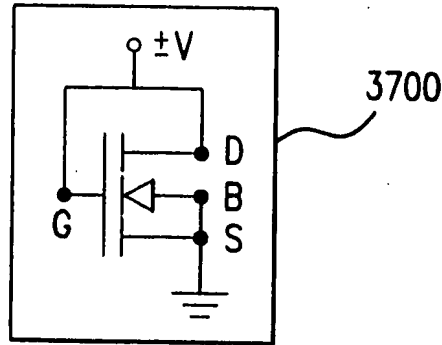


FIG.37A

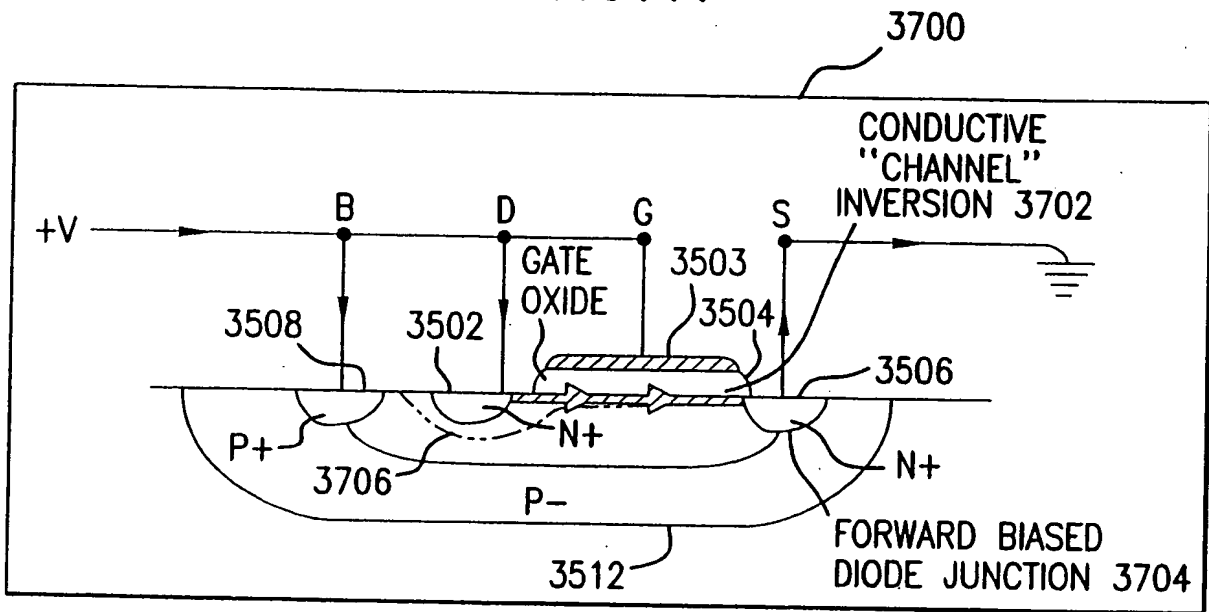


FIG.37B

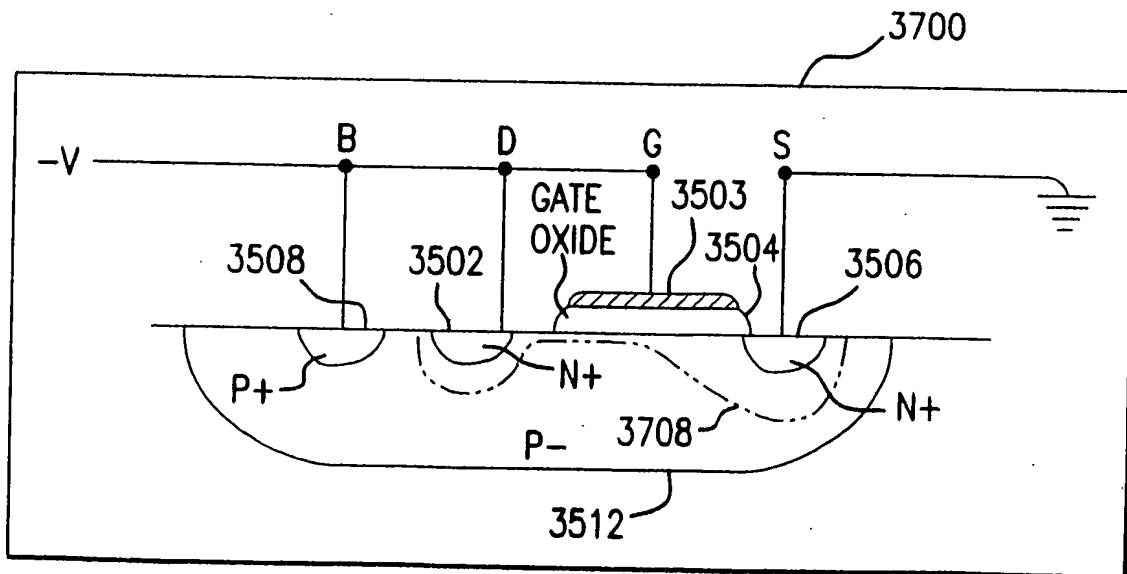


FIG.37C

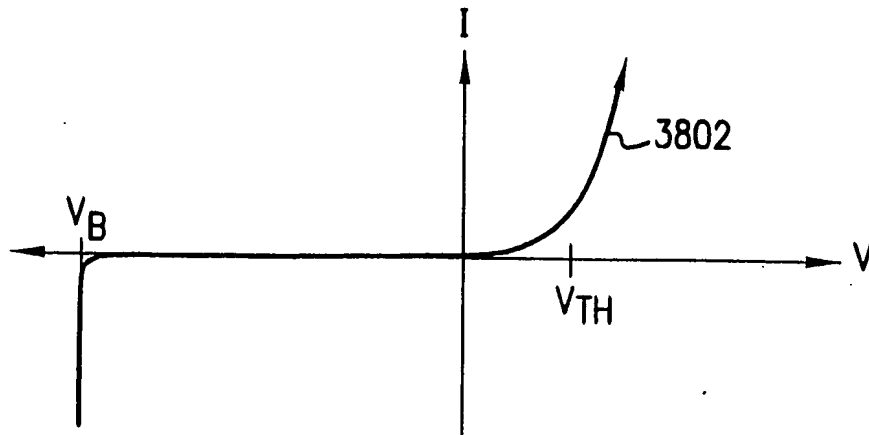


FIG. 38A

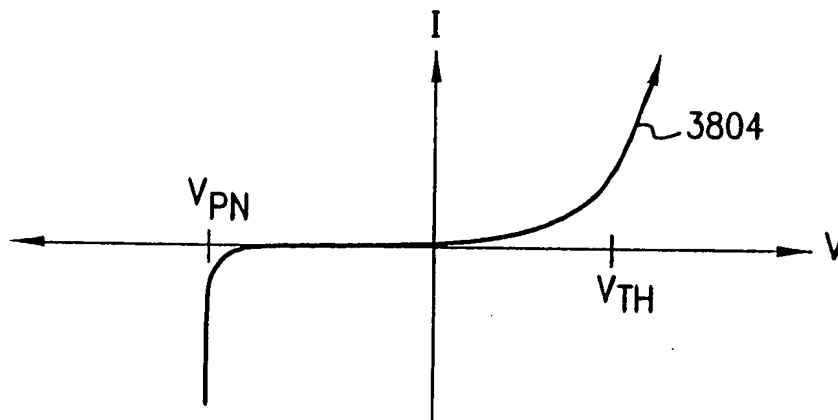


FIG. 38B

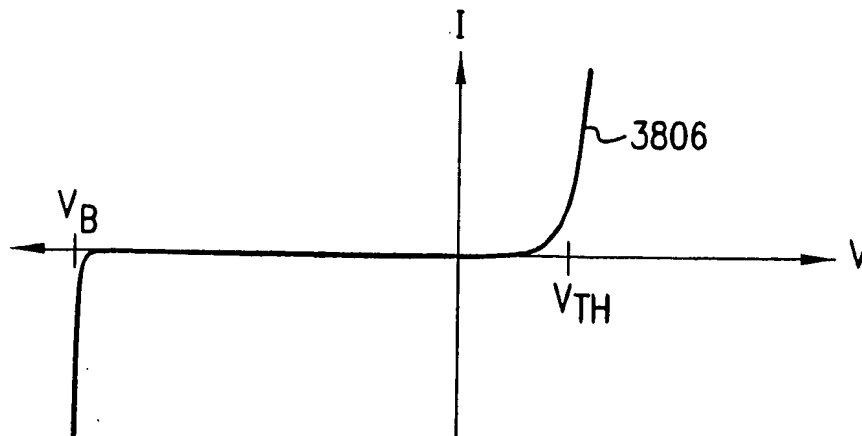


FIG. 38C

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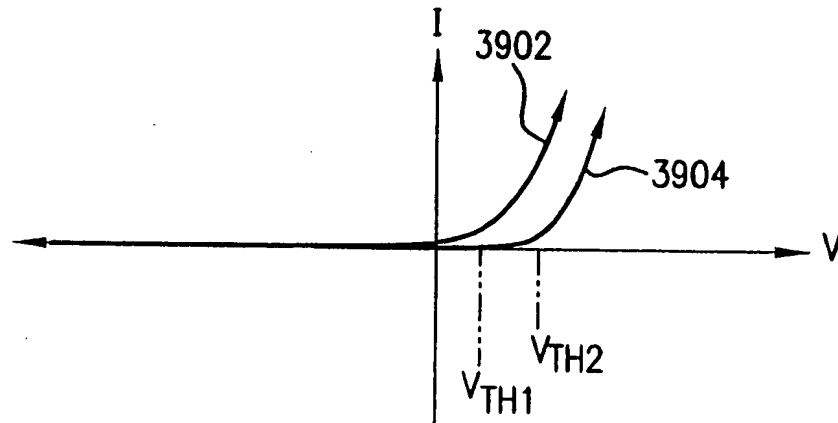
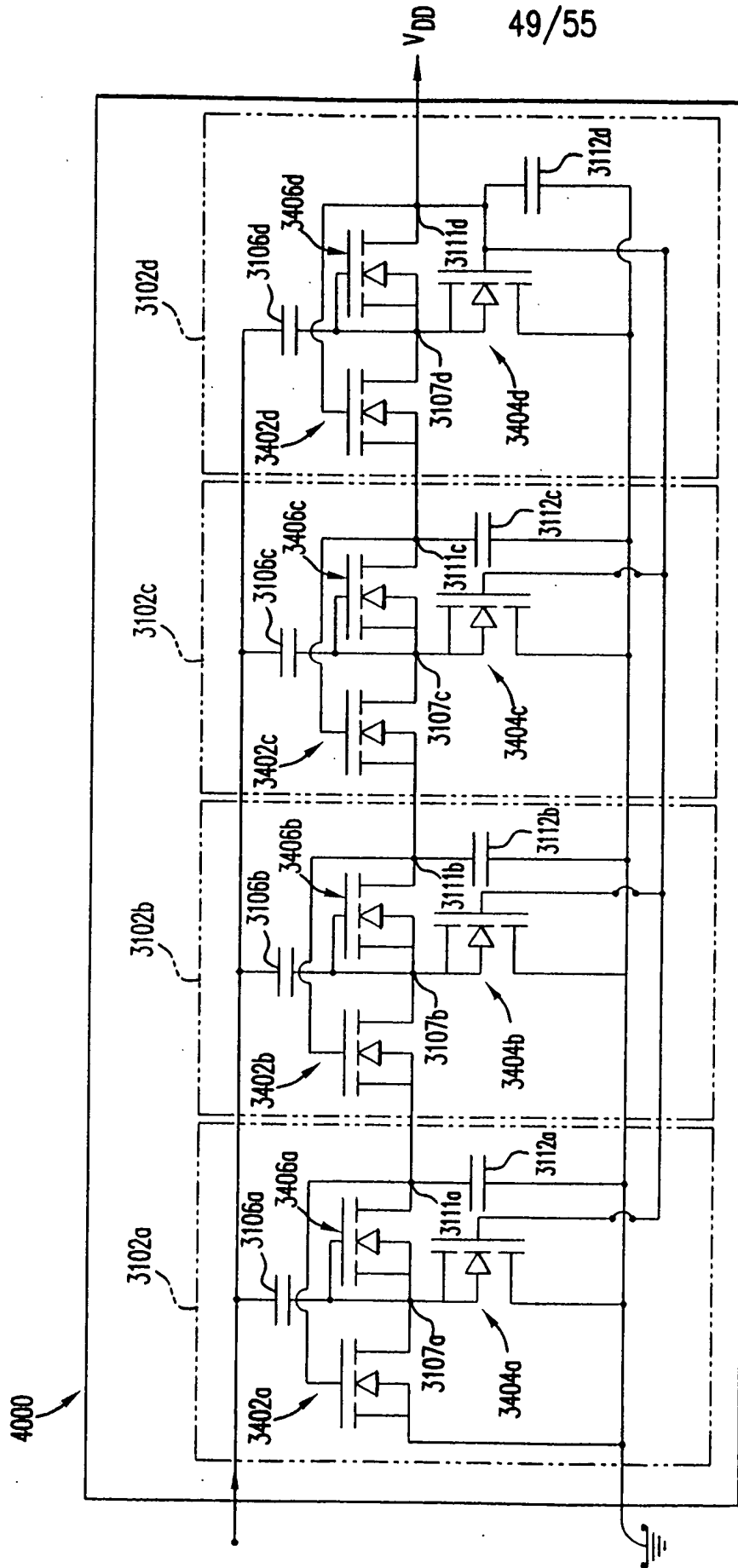


FIG.39



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FIG. 40A

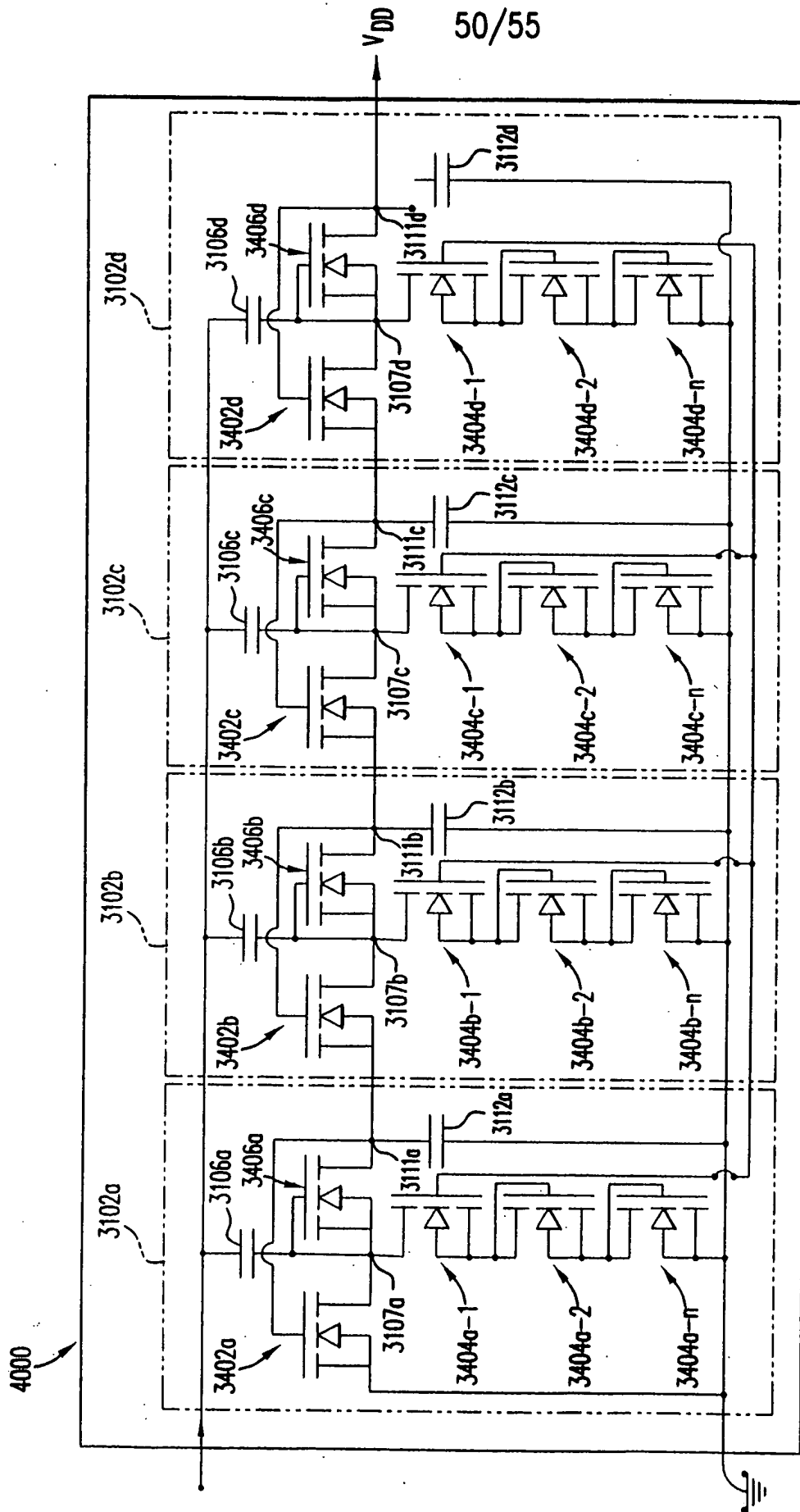


FIG. 40B

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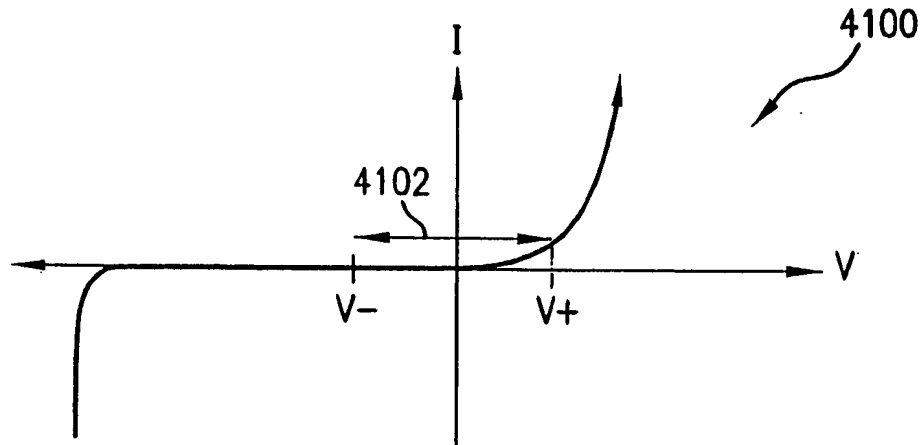


FIG. 41A

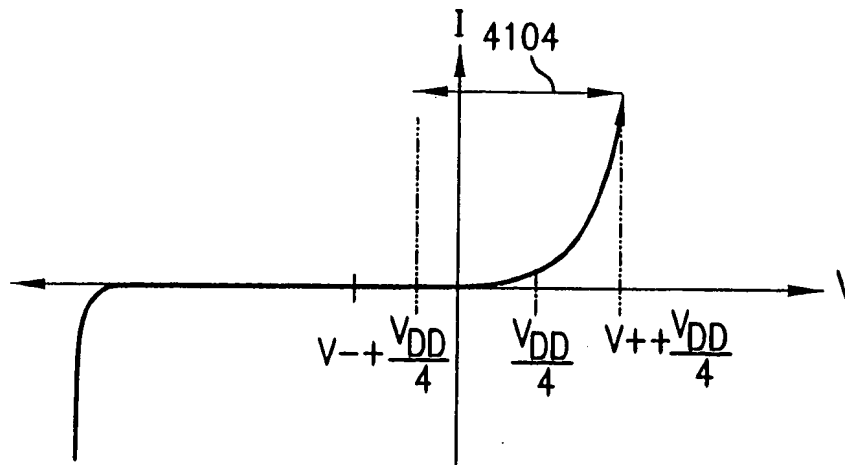


FIG. 41B

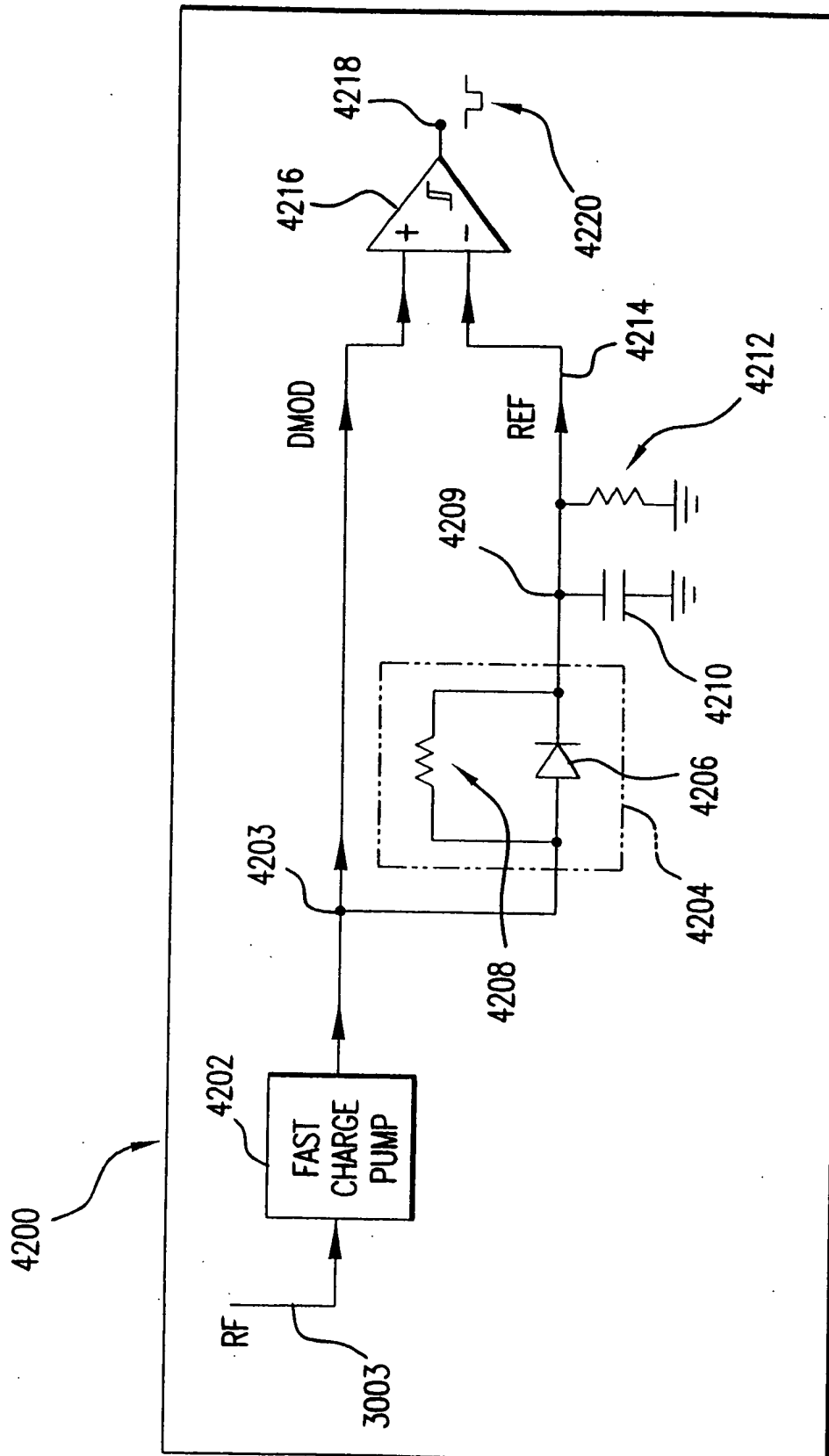


FIG. 42

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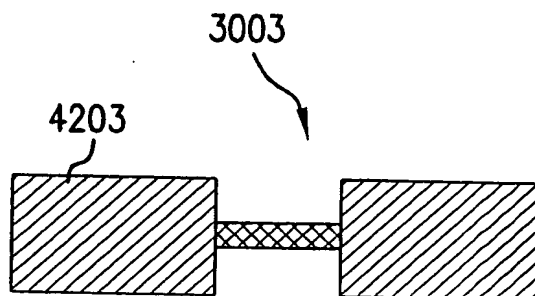


FIG. 43A

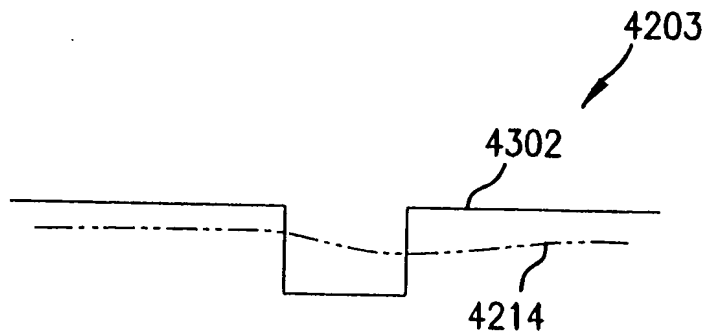


FIG. 43B



FIG. 44

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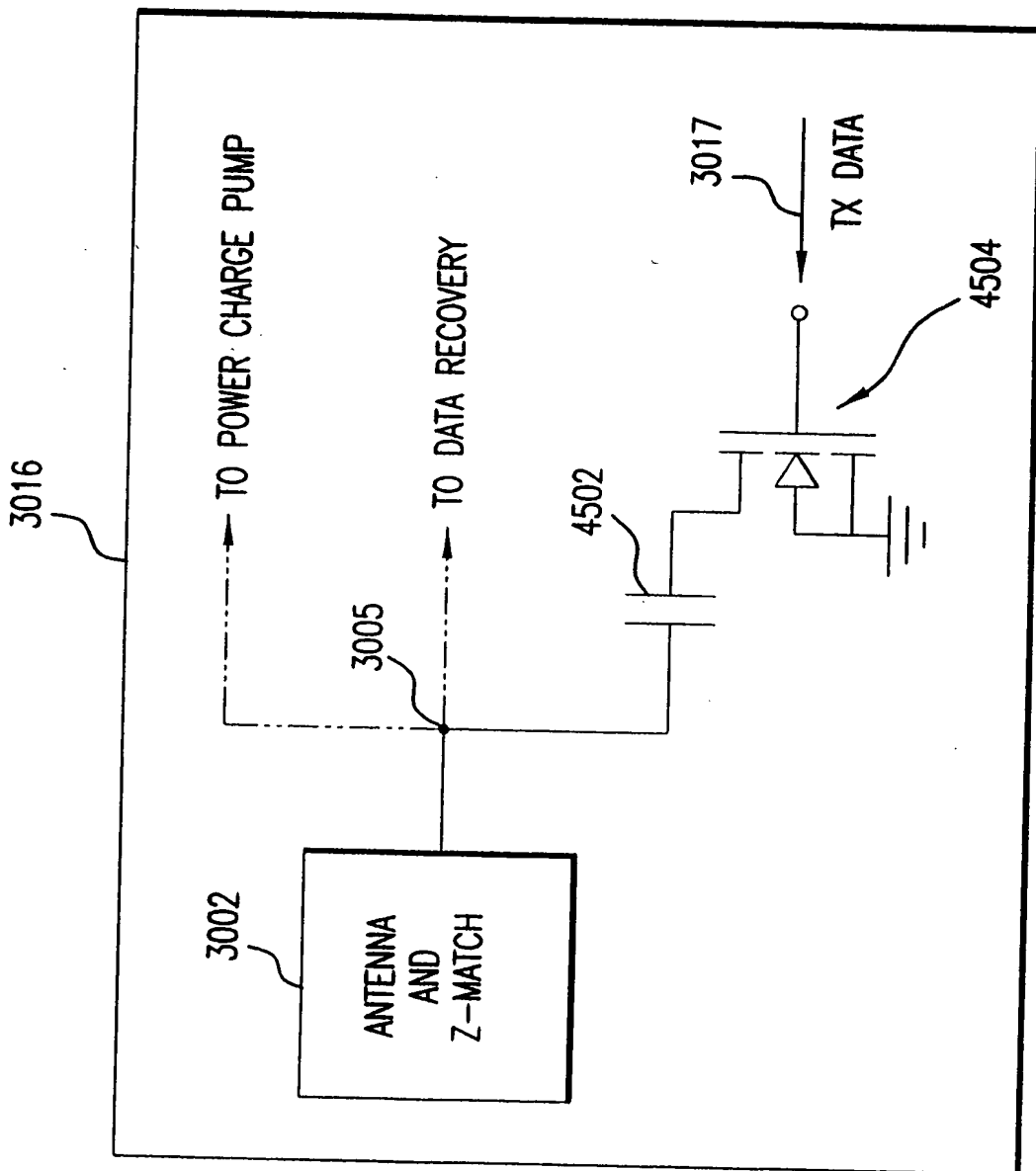


FIG. 45